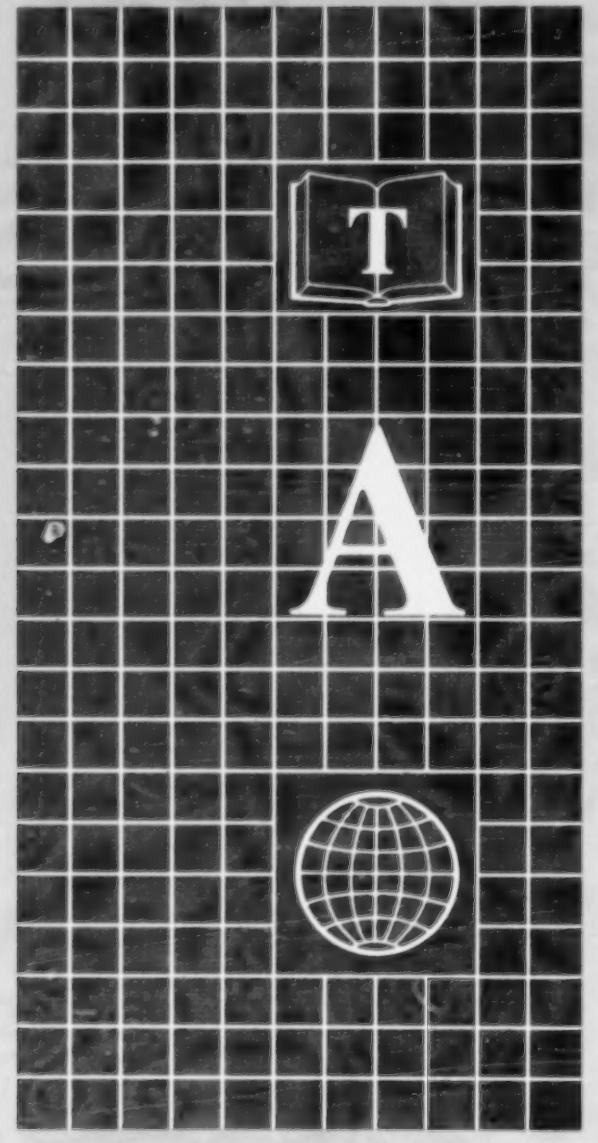
P 96

U.S. Department of the Interior
Bureau of Land Management

Publications Standards

BLM Manual Section H-1553



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best copy available

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
WASHINGTON, D.C. 20240

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
1120(130/850)

Memorandum

To: Public Affairs Specialists
Visual Information Specialists
Printing Specialists

From: Director

Subject: Interim Publications Standards

BLM is working to enhance its image as the manager of a national system of Federal lands and as an agency that is responsive to its many public land users. Our multiple-use mandate is always subject to public scrutiny, and our many programs are evolving to meet new public needs and demands.

Our publications are an important tool in our efforts to better serve the public. BLM publications must be as professionally produced as our lands are managed. Their themes must be consistent, and their designs should be standardized and easily recognizable.

The Interim Publications Standards are a major step forward in achieving these goals. They establish quality and design standards for our publications, which in turn will help strengthen our public identity. These standards are not a substitute for design skills; they are tools to be used by professional designers in BLM's publication management process.

The standards are the result of several years' work by a Bureauwide Printing and Publications Task Force, which included members from all levels of the BLM organization. Personnel at both the administrative and professional levels in all of our offices were consulted and provided opportunities to review the draft standards.

The interim standards are mandatory. If their use would not be appropriate or effective in a particular case, request a waiver from the Director (130). A committee will review our experience with the standards in 12 to 18 months and make necessary revisions, after receipt of your comments, before publishing final standards.

It is extremely important to the success of this effort that those responsible for the appearance and presentation of any BLM publication learn and apply the guidelines established by the Interim Publications Standards. With everyone's cooperation, we can improve our service to the public and make our publications more effective, consistent, and economical.

Mike Penfold

Introductory Message

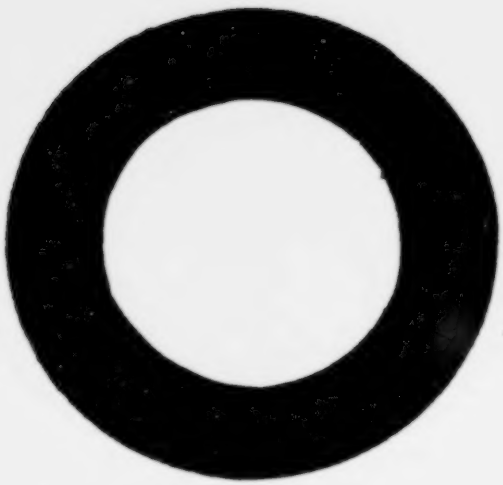
During FY 89, the Publications Standards Subcommittee of the Bureau of Land Management Printing Study Committee met to develop standards and formats for BLM publications. Although some publications and some BLM offices had already set standards, few bureauwide standards existed and Bureau publications did not contribute as much as they could to BLM's identity.

The Bureau Printing Study Committee recognized that BLM's publications profoundly affect the Bureau's identity and image. Publications project the Bureau's image and are a major source of its identity. Standards can ensure consistency in publications while making a statement about how BLM operates: BLM does not haphazardly produce its publications, but designs them for the best communication and efficiency.

Standards serve other purposes as well. Their use saves time and effort in preparing publications. Savings in time and effort save money. Standards provide valuable guidance for Bureau people preparing their first publications and offer a place to begin preparations.

In designing these standards, we have tried to balance consistency with the flexibility and creativity required for quality documents. These standards allow varying degrees of flexibility, but the most flexibility is allowed for popular publications. These will benefit most from creativity.

Publications now requiring state office or Washington Office approval will continue to require such approvals through forms DI-550 and DI-550A.



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Bureau of Mines (Black & White)
Bureau of Reclamation (Black & White)
Fish and Wildlife Service (Black & White)
Geological Survey (Black & White)
National Park Service (Black & White)
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Bureau of Land Management
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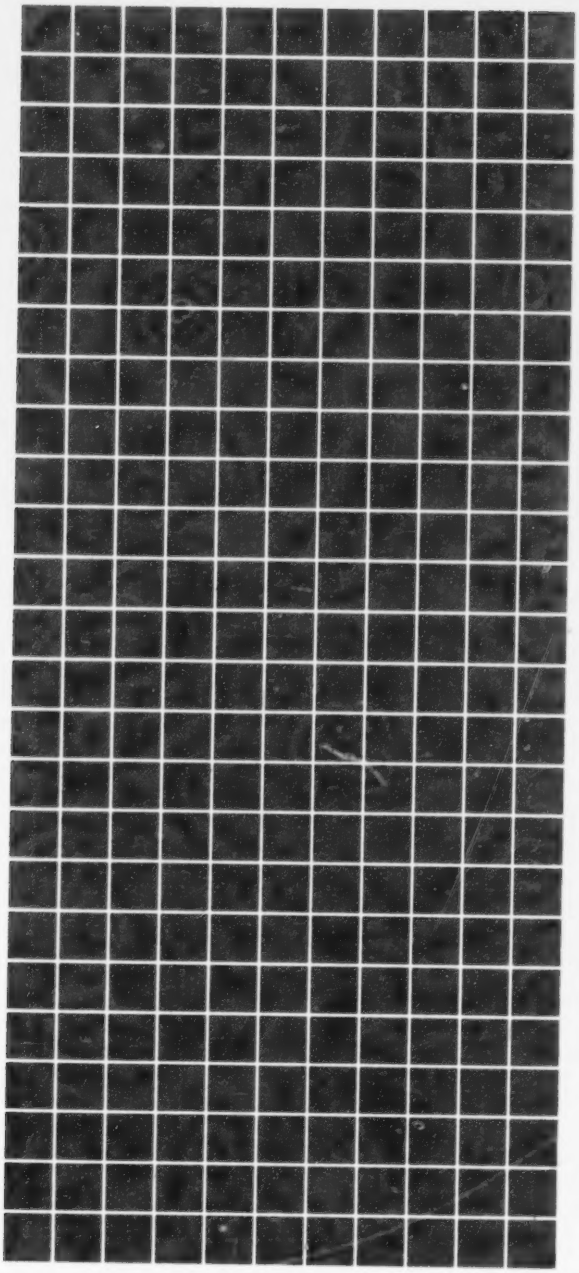
National Forests
National Grasslands
National Park Service
Indian Reservations
Military Withdrawal/Corps of Engineers
Fish & Wildlife Service
LU (Bankhead/Jones)
TVA
Patented Lands
State

Emblem Standards



Emblem Standards

The Emblem

The Bureau of Land Management emblem is the key graphic element in the BLM uniform graphic identification system.

The mark may stand alone on publication covers and other BLM graphics as a tasteful visual element, but should not be used decoratively on the same page or surface that contains a full signature (Basic Configurations of the Emblem).

Some notes to remember when using the emblem:

- The emblem should never be reproduced at less than ¼ inch in height.
- The emblem should be used only on its proper axis, never rotated to a new position and never overlapped.
- When used in conjunction with the emblem of another agency, the BLM emblem should be at least of equal size. If BLM is the lead agency for a publication, the BLM emblem should appear in the top or left-hand position.
- No other individual, area or facility emblem may appear on the cover or cover panel of a publication, but these emblems may appear elsewhere in the publication.

The preferred configurations of the BLM emblem are shown at the left. These basic forms have been designed to provide the most flexibility in the use of the emblem.

One-Color Version

In many print applications, only one color can be used. In such cases, the emblem, signature and other type and illustrations will have to have a dark value. Black and dark values of the primary or secondary color are preferred. Avoid the use of pastel, diluted or "thin" colors in these applications.

Full-Color Version

When the emblem is used in full color, the following PMS color match must be used:

Items in Emblem	PMS
trees, lettering, border, hill line	349
grass	367
foothills	353
mountain and stream	298
sky	310

Screen values for PMS colors of the emblem when converted to process color are:

PMS	Yellow	Magenta	Cyan	Black
349	100		100	60
367	70		40	
353	50		50	
298		10	80	
310	10		50	

Reverse Version

Because of the nature of the drawing of the positive version of the emblem (as shown), a normal conversion to negative will result in a black rather than a white landscape. To avoid this situation, an additional white outline has been included as the reverse version is not allowed by law. The positive version must be used at all times.

Emblem Standards

Signature Configurations

The purpose of the signature is to graphically identify the Bureau of Land Management. All signatures are a combination of the BLM emblem and the name. The signature should include no other words or graphics.

Bureau of Land Management

Bureau of Land Management Signature

The BLM signature consists of the emblem and the Bureau of Land Management name or initials BLM set in Helvetica boldface type. This signature is to be used as the graphic identifier on items common to all of BLM. Refer to pages 2-23, 2-25, and 2-46 for required placement on page.

BLM

Washington Office, State, Division, District and Other Field Office Signatures

Individual signatures for field offices are formed by placing the name of the field office below the BLM name. Field office names are set in Helvetica typeface no larger than the BLM name.

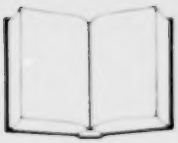
Bureau of Land Management
Oregon State Office

U.S. Department of the Interior
Bureau of Land Management

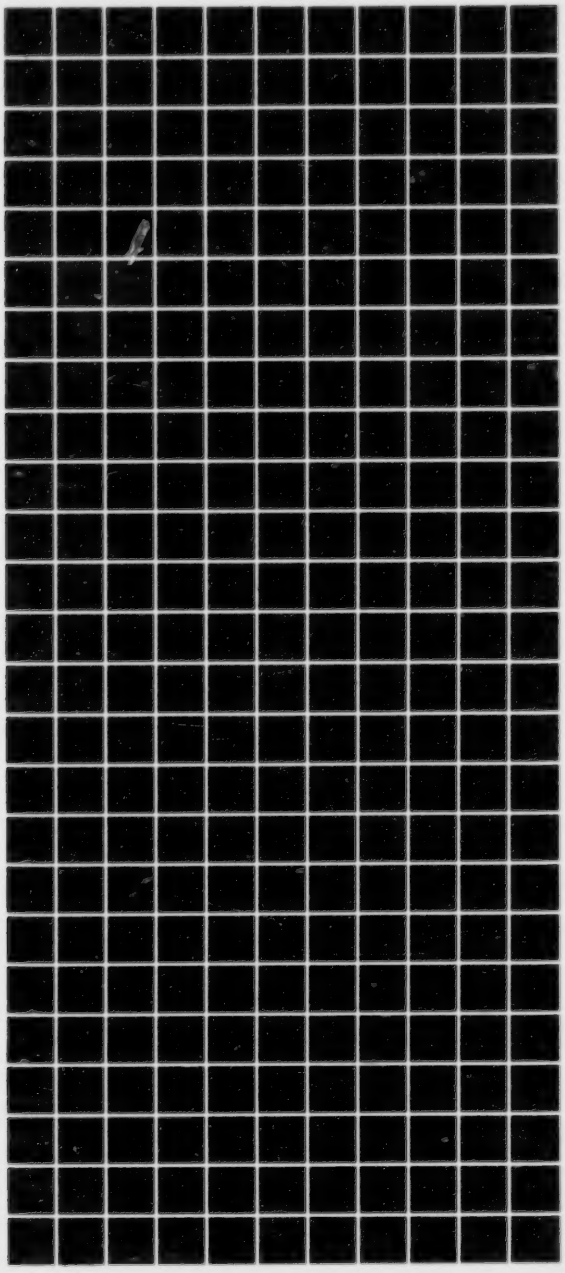
U.S. Department of the Interior
Bureau of Land Management

Wyoming State Office
2515 Warren Avenue
Cheyenne, Wyoming 82001

Notes



Publication Standards



Introduction

BLM supplies information for Congress, special interest groups, and the public. Information is also generated for internal BLM use. This transfer of information requires a major publishing effort.

Following are guidelines for BLM's publication graphics system, a major part of Graphics Standardization System.

Included in the system are guidelines for signature placement, publication size and format, and typographic selection. Conceived as a working tool for BLM publication designers, the system provides a consistent framework for all BLM publications, but does not attempt to solve creative problems. Working within the system designers may more effectively deal with their major challenge — the graphic interpretation of content.

The use of this system will result in a family of BLM publications that are readable, appealing and reflective of a high standard of design professionalism throughout the Bureau.

Signature

The signature is to be placed on all BLM publications. When placed on a planning document, the emblem will generally be aligned to the top left margin with the name to its right. The signature will always be placed on a cover in relation to the interior grid format as shown in later illustrations. Signature size depends on the title or headline type size selected and is especially critical when the signature emblem is aligned with the title material on a horizontal line. Examples of these relationships applied are shown throughout these guidelines.

Publication Sizes

Six publication sizes have been established to meet most of BLM's publication needs: 8½ inch x 11 inch, 11 inch x 8½ inch, 5½ inch x 8 ½ inch, 8½ inch x 5½ inch, 4 inch x 9 inch, and 4¼ inch x 5½ inch. (Final trim size may vary slightly.) Each size has a multiple purpose and was selected for economic use of standard sheet-fed printing paper sizes as well as desktop publishing. These sizes allow for bleeding without extravagant waste.

Publication Format

The vertical format has been adopted for BLM publications. Horizontal or album formats are permissible when presentation or use of the content cannot be adapted to the standard vertical format. Cover and text designs for horizontal formats should follow standards established for vertical formats.

Grid

The consistency of BLM publications depends on a general layout and method of page composition. Each publication size has been assigned a format grid or style, which is the foundation for the layout. Uniformly dividing the page and marking column widths, margins, gutters, and horizontal base lines, the grid is a tool used to plan the placement and inter-relationships of headlines, body text, illustrations, and captions. The grid also guides the conscious use of white space to give the publication readability and an inviting appearance.

The BLM grid system for publication design consists of the following formats:

Format I - (8½ inch x 11 inch) Contains one-, two-, three- and four-column grids.

Format II - (5½ inch x 8½ inch) Accommodate one- and two-column grids.

Format III - (4¼ inch x 11 inch) Accommodates one- and two-column grids.

Format IV - (11 inch x 8½ inch) Contains one-, two-, three-, and four-column grids.

Format V - (8½ inch x 5½ inch) Contains one-, two-, three-, and four-column grids.

Format VI - (4 inch x 9 inch) Accommodates one- and two-column grids.

Use of Formats and Grids

A publication designer should begin with a thorough knowledge of the material to be presented, including text and illustrations. The designer should discuss the editorial attitude with the author and know the publication's intent.

The choice of size and grid format will often evolve out of the publication's intended use. For example, a large technical review on timber use might use Format I. A small guide to BLM recreational facilities might use Format VI. A photographic history of archaeology might use Format IV. And a telephone directory for a district or division might take advantage of the compact two-column grid in Format II.

Select a grid format to suit a publication's contents and lay out a rough thumbnail sketch to test your concept. As needed, revise your concept until your design meets all your needs in an inviting and readable layout.

Do not deviate from the adopted grid format. Consistency is critical for a sense of visual order, both within a publication and throughout all BLM publications.

Limit the number of type sizes and styles.

Avoid unneeded graphic devices. Embellishments distract from the message to be communicated.

The sections that follow select grid formats by publication size and type, showing the alternative formats allowed by these publication design standards.

Color

Although most of BLM's publications will be printed in black ink on white paper, color can be added to a publication by using JCP-approved colored paper, a single color of ink other than black, and screen tints.

Because multicolor printing increases costs for graphic preparation and printing, all printing needing two or more ink colors requires written justification and approvals. Before deciding to use more than one ink color, the graphic designer must consider whether the desired results can be achieved by less expensive methods. For example, a multicolor effect may be achieved through the use of a single ink color and screen tinting on colored paper.

The use of more than one ink color may be appropriate when indirect cost savings would result from use, such as on maps and technical diagrams needing color for clarification and conformity. Color may also be needed for object identification, such as for signs, plants, flags, and uniforms, and for programs required by law or programs whose success depends on public response. Promotional or motivational activities, recruitment, hazard reduction, and other special programs may also need color publications.

Type Guidelines

Type

Type is the basic visual element in communicating a message.

An important requirement for type is that it be legible. But each typographic problem demands its own overall treatment. Technical journals and reports require an economical use of the page without sacrificing readability. Type is often used on posters as an illustrative element. Size and space relationships between key words and other parts of the poster are critical to communication. Type standards have been designed to meet BLM's diverse needs, yet maintain a consistency in application and appearance.

The Bureau's system uses a minimum of eight typefaces, each of which has a bold, medium and a light or book weight face also in italic. Each typeface is also intended to meet a requirement with the system. For popular publications, these requirements are similar, allowing designers to select the most suitable fonts.

Standard Type Styles

Baskerville (serif typeface):
BLM standard for letterhead and envelopes.

Bookman (serif typeface):
BLM standard for medium- and large-size documents.

Century Book (serif typeface):
used in textbook composition because it offers extremely good legibility.

Futura (sans serif typeface):
BLM standard for mapping.

Helvetica (sans serif typeface):
used in brochures, pamphlets, posters, and planning documents.

Souvenir (serif typeface):
BLM standard for mapping.

Times (serif typeface):
used in reports, planning documents, and booklets with large amounts of text.

Univers (sans serif typeface):
BLM standard for mapping.

Type Guidelines - Baskerville

9/10

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Baskerville Roman (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890 - —()[]‘’!@#$%¢&*?=+

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Baskerville Italic (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890 - —()[]‘’!@#$%¢&?=+*

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Baskerville Bold (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890 - —()[]‘’!@#$%¢&*?=+

Baskerville Roman

9/10
The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

9/11
The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

10/11
The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

10/12
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11/12
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11/13
The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

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Eye 30 pt

Eye 36 pt

Eye 42 pt

Eye 48 pt

Eye 54 pt

Eye 60 pt

Eye 72 pt

Type Guidelines - Bookman

9/10

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Bookman Medium (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 - —()[]"!@#$%¢&*?=+

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Bookman Italic (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 - —()[]"!@#$%¢&?=+*

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Bookman Bold (18 point)

ABCDEFGHIJKLMNOPQRSTUVW XYZ
abcdefghijklmnopqrstuvwxyz
1234567890
- —()[]"!@#$%¢&*?=+

Bookman Medium

9/10
The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

9/11
The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

10/11
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Eye 48 pt
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Eye 60 pt
Eye 72 pt

Type Guidelines - Century

9/10

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Century Book (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890 - —()[]“'!@#$%¢&*?=+

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Century Book Italic (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890 - —()[]“'!@#$%¢&?=+*

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Century Bold (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890 - —()[]“'!@#$%¢&*?=+

Century Book

9/10
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The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

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Eye 14 pt
Eye 16 pt
Eye 18 pt
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Eye 42 pt
Eye 48 pt
Eye 54 pt
Eye 60 pt
Eye 72pt

Type Guidelines - Futura

9/10

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Futura Medium (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 - —()[]''!@#$%¢&*?=+

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Futura Medium Italic (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 - —()[]''!@#$%¢&?=+*

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Futura Bold (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 - —()[]''!@#$%¢&*?=+

Futura Medium

9/10
The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

9/11
The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

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The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

11/13
The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

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Eye 72pt

Type Guidelines - Helvetica

9/10

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Helvetica Medium (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 - —()[]"!@#$%¢&*?=+

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Helvetica Medium Italic (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 - —()[]"!@#$%¢&?=+*

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Helvetica Bold (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
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Helvetica Medium

9/10
The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

9/11
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Type Guidelines - Souvenir

9/10

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Souvenir (18 point)

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The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Souvenir Italic (18 point)

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abcdefghijklmnopqrstuvwxyz

1234567890 - —()[]“'!@#$%¢&?=+*

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Souvenir Bold (18 point)

ABCDEFGHIJKLMNOPQRSTUVW XYZ

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1234567890 - —()[]“'!@#$%¢&*?=+

Souvenir

9/10
The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

9/11
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Eye 72 pt

Type Guidelines - Times

9/10

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Times Roman (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890 - —()[]‘’!@#$%¢&*?=+

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Times Italic (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890 - —()[]’!@#$%¢&?=+*

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Times Bold (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ

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1234567890 - —()[]’!@#$%¢&*?=+

Times Roman

9/10
The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

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9/10

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

Univers Medium (18 point)

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890 - —()[]''!@#$%¢&*?=+

Univers Medium Italic (18 point)

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

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Univers Bold (18 point)

The Bureau of Land Management is responsible for the balanced management of the public lands and resources and their various values so that they are considered in a combination that will best serve the needs of the American people.

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Univers Medium

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Standard Paper Weights and Page Sizes

Equivalent Weights

In reams of 500 sheets.
Basis weights in bold face.

Stock	Bond 17 x 22	Book 25 x 38	Cover 20 x 26
Bond	**13**	33	18
	16	41	22
	20	51	28
	24	61	33
	28	71	39
	32	81	45
	36	91	50
	40	102	56
Book	12	**30**	16
	16	**40**	22
	18	**45**	25
	20	**50**	27
	22	**55**	30
	24	**60**	33
	26	**65**	36
	28	**70**	38
	30	**75**	41
	31	**80**	44
	35	**90**	49
	39	**100**	55
	47	**120**	66
Cover	18	46	**25**
	25	64	**35**
	29	73	**40**
	36	94	**50**
	40	100	**55**
	43	110	**60**
	47	119	**65**
	58	146	**80**
	65	164	**90**
	72	183	**100**

Page Sizes

This chart shows the standard page size booklets, folders, etc. that cut from stock size papers. Pages requiring bleeds could reduce the number out of a sheet.

Size of Page	Size of Paper	Number out of Sheet	Number of Pages
4 x 9	17 x 22	8	16
	20 x 26	10	20
	25 x 38	24	48
4¼ x 11	17 x 22	8	16
	20 x 26	8	16
	25 x 38	32	64
5½ x 8½	17 x 22	8	16
	20 x 26	8	16
	25 x 38	32	64
8½ x 11	17 x 22	4	8
	20 x 26	4	8
	25 x 38	16	32

Format Page Sizes

The chart below shows the standard format page sizes used by the Bureau of Land Management.

Format Number	Page Size
I	8½" x 11"
II	5½" x 8½"
III	4¼" x 11"
IV	11" x 8½"
V	8½" x 5½"
VI	4" x 9"

	Format[2]						Grid[4]				Design Element															
Periodicals	I	II	III[6]	IV	V	VI[6]	1	2	3	4	**BLM Emblem**	**U.S. Dept. of the Interior Seal**	**U.S. Dept. of the Interior (name)**	**Bureau of Land Management (name)**	**BLM (acronym)**	**Address**	**Title/Subtitle**	**State, District, etc. (publisher)**	**Index Publication Number**	**Volume, Series, etc.**	**Mission Statement**	**Self Mailer**	**Date**	**Other Logos and Marks**	**Suitable Art or Photo**	**Map Pocket**
Newsletters[5]	•			•	•		•	•	•	•	R	O	O	R	R	O	R	R		R		O	R		O	
Annual Reports[5]	•	•		•	•		•	•	•	•	R	O	O	R	R	O	R	O	R	O	O	O	O		O	
Popular																										
Brochures[5]		•	•		•	•	•	•	•	•	R	O	O	R	R	O	R	O	R	O	O	O	O	O	O	
News Releases[5]	•						•				R	O	O	R	R	R	R	R				O	R	O		
Certificates[5]	•			•			•	•			R	O	O	R	R	R	R	O					R	O	O	
Handbooks																										
Text	•			•			•	•	•	•																
Cover 1[5]	•			•							R	O	O	R	R		R			O			O		O	
Cover 2	•			•																	O					
Cover 3	•			•															R		O			O		
Cover 4	•			•																		O		O	O	
Spine																	R									
Notebooks and Binders[5]	•										R	O	O	R	R		O	O	O				O			
Stationery[7]	•						•																			
Pamphlets[5]	•	•	•	•	•	•	•	•	•	•	R	O	O	R	R	O	R	O	O	O	O	O	O	O	O	
Handouts and Flyers[5]	•			•			•	•	•	•	R	O	O	R	R	O	R	O	O	O	O	O	O	O	O	
Programs[5]	•	•					•	•			R	O	O	R	R	O	R	O	O	O	O	O	O	O	O	
Recruitment[5]	•	•	•	•	•	•	•	•	•	•	R	O	O	R	R	O	R	O	O	O	O	O	O	O	O	
Special Reports[5]	•	•		•	•		•	•	•	•	R	O	O	R	R	O	R	O	O	O	O	O	O	O	O	
Special Purpose Maps[5,8]	•			•			•	•	•	•	R	O	O	R	R	O	R	R	R	O	O	O	R	O	O	

R = Required

O = Optional

= Not Approved

[1] See emblem section for other emblems and marks.

[2] Format II is limited to Grids II and III only.

[3] Original format must be I or IV. Secondary copies may be published in Formats II, III, V and VI.

[4] When using grid layouts, remember to leave enough space for the margin, gutter, page number and binding requirements.

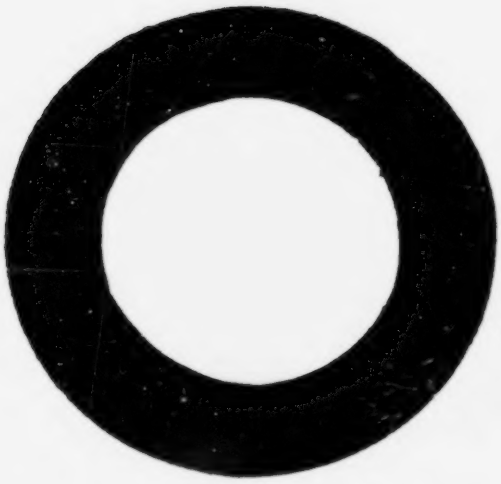
[5] BLM emblem with Bureau of Land Management (name) or BLM (initials), not both.

[6] Format II applies to one and two columns only.

[7] Standards exist.

[8] See H-9161 Manual (Cartography).

[9] Title and signature configuration must be located in the top ⅓ of cover panel.



	Format[2]						Grid[4]				Design Element																
Internal	I	II	III[9]	IV	V	VI[9]	1	2	3	4	BLM Emblem	U.S. Dept. of the Interior Seal	U.S. Dept. of the Interior (name)	Bureau of Land Management (name)	BLM (acronym)	Address	Title/Subtitle	State, District, etc. (publisher)	Index Publication Number	Volume, Series, etc.	Mission Statement	Self Mailer	Date	Other Logos and Marks	Suitable Art or Photo	Map Pocket
Brochures[5]		•	•		•	•	•	•	•	•	R	O	O	R	R	O	R	O	R	O	O	O	O	O	O	
Pamphlets[5]	•	•	•	•	•	•	•	•	•	•	R	O	O	R	R	O	R	O	R	O	O	O	O	O	O	
Flyers/Handouts[5]	•			•			•	•	•	•	R	O	O	R	R	O	R	O	R	O	O	O	O	O	O	
Handbooks[3]																										
Text	•	•	•	•	•	•	•	•																		
Cover 1[5]	•	•	•	•	•	•					R	O	O	R	R	O	R	O		O	O		O	O	O	
Cover 2, 3, 4	•	•	•	•	•	•					O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
Spine											O						R									
Programs for events[5, 6]	•	•					•	•	•	•	R	R	O	R	R	O	R	O		O	O		O	O	O	
Special Reports[5]	•			•			•	•	•	•	R	R	O	R	R	O	R	O	R	O	O	O	O	O	O	O
New Employee Handbook[5, 6]	•	•		•			•	•	•	•	R	R	O	R	R	O	R	O	R	O	O	O	O		O	
Training Materials[5]	•						•	•	•	•	R	R	O	R	R	O	R	O	R	O	O	O	O		O	
User Guides[5]	•	•	•	•	•	•	•	•	•	•	R	O	O	R	R	O	R	O	R	O	O		O		O	
Technical & Scientific																										
Technical Notes	•						•	•	•	•	R	R	R	R	R	R	R	R	R	R		O	R		O	
Technical Bulletins	•						•	•	•	•	R	R	R	R	R	R	R	R	R	R		O	R		O	
Handbooks	•	•	•	•	•		•	•	•	•	R	R	R	R	R	R	R	R	R	R		O	R		O	
Special Reports	•			•			•	•	•	•	R	R	R	R	R	R	R	R	R	R		O	R		O	
Planning & Environmental																										
Flyers/Handouts	•						•	•	•	•	R	R	R	R		O	R	R	O		O	O	R	O	O	
Special Reports	•			•			•	•	•	•	R	R	R	R		O	R	R	O		O	O	R	O	O	O
Books (see pages 33 and 52-61)	•						•	•	•	•	R	R	R	R		O	R	R	R	O	R	O	R	O	O	O

R = Required

O = Optional

[ ] = Not Approved

[1] See emblem section for other emblems and marks.

[2] Format II is limited to Grids II and III only.

[3] Original format must be I or IV. Secondary copies may be published in Formats II, III, V and VI.

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[6] Format II applies to one and two columns only.

[7] Standards exist.

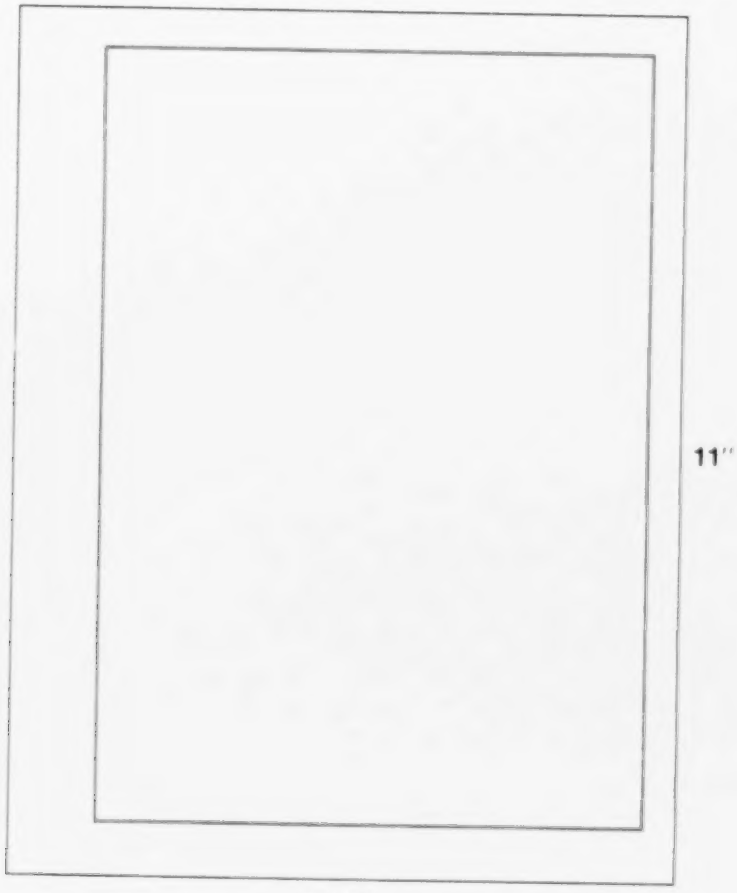
[8] See H-9161 Manual (Cartography).

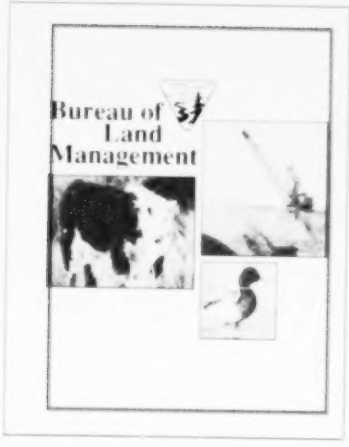
[9] Title and Signature configuration must be located in the top ⅓ of cover panel.

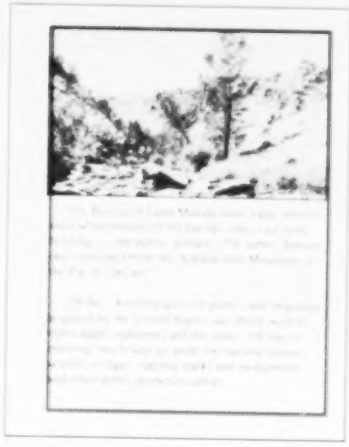
		Type Face		Type Size										Type Weight			Type Style		Column Types			
		Times	Helvetica	4 Point	6 Point	8 Point	10 Point	12 Point	14 Point	18 Point	24 Point	36 Point		Light	Medium	Bold	Roman	Italic	Justified	Unjustified	Center	Flush Left
Title	1st Order Heading	•	•								•					•	•				•	
	2nd Order Heading	•	•							•						•	•					•
	3rd Order Heading	•	•						•							•	•					•
	4th Order Heading	•	•					•								•	•					•
	5th Order Heading	•	•				•									•	•					•
	6th Order Heading	•	•				•									•	•					•
	7th Order Heading	•	•				•							•				•				•
Text	Body Copy (single column)	•	•				•	•						•	•		•	•	•	•		•
	Body Copy (multiple column)	•	•	•	•	•	•							•	•		•	•	•	•		•
Tables	Headings	•	•	•	•	•	•	•							•	•						
	Body	•	•	•	•	•	•							•	•							
	Footnotes	•	•	•	•	•								•	•		•	•				
Miscellaneous	Running Heads	•	•					•								•	•		•		•	
	Folios	•	•				•								•		•		•		•	
	Captions	•	•			•										•			•			
Cover No. 1 Agency Block	Department Name		•					•								•	•		•			
	BLM Name		•				•									•	•		•			
	Office Identification		•				•								•		•		•			
	Date		•				•								•		•		•			
Title Block	Title/Subtitle		•						•	•	•	•				•	•		•			
Cover No. 2	Mission Statement	•	•			•									•		•		•		•	
	Index Number	•	•			•										•	•		•		•	
Cover No. 4	Self-Mailer	•	•			•	•								•		•		•		•	

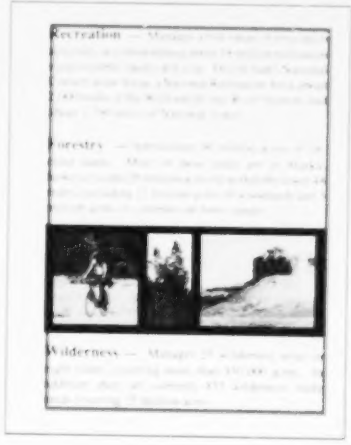
Format I - (8 1/2" x 11") Grid 1

Note: All page grid examples shown are right hand pages. Margins are reversed for back or left hand pages.



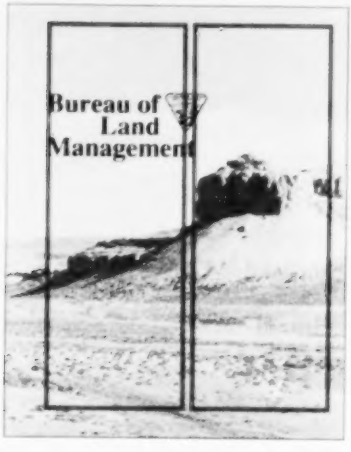


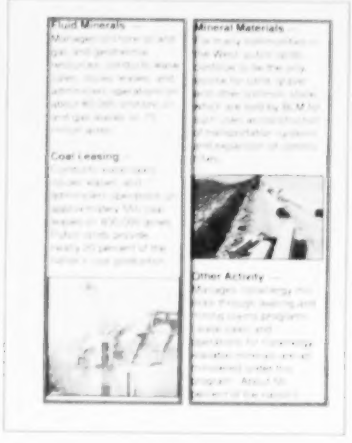


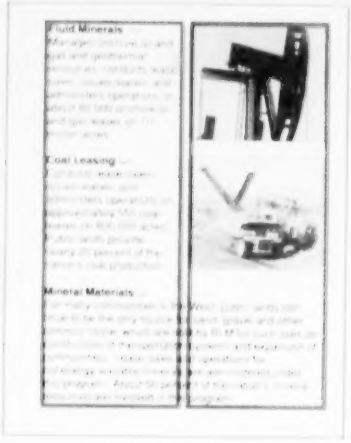


11"

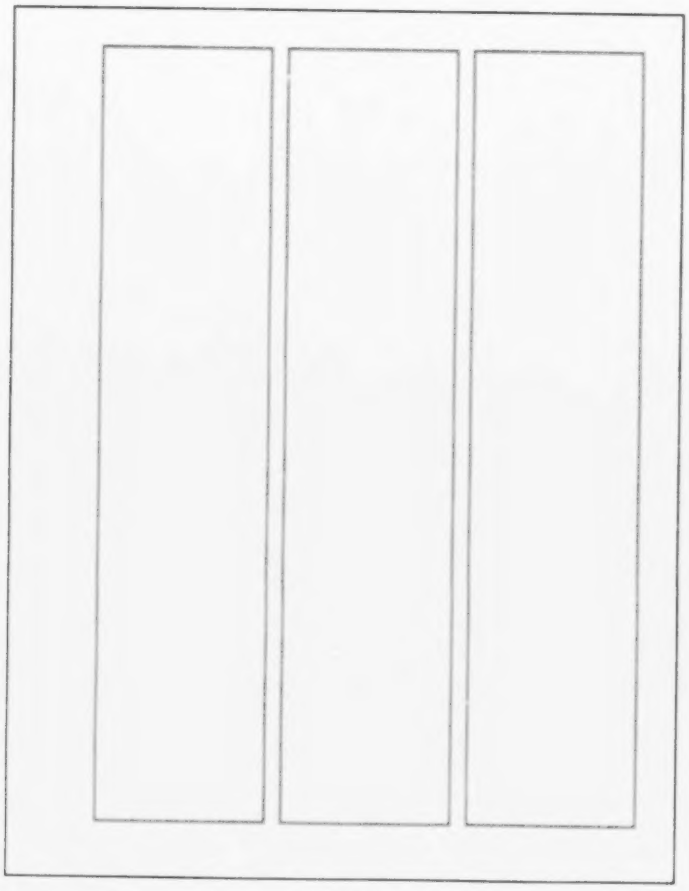
8 1/2"

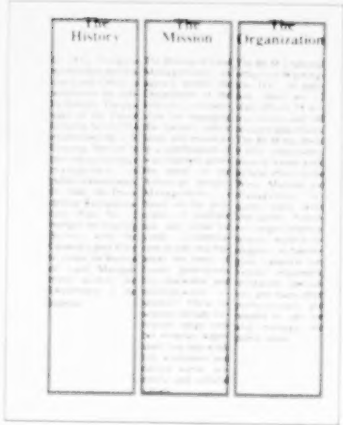


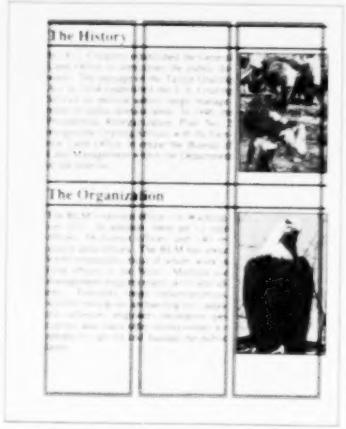




Format I - (8 1/2" x 11") Grid 3

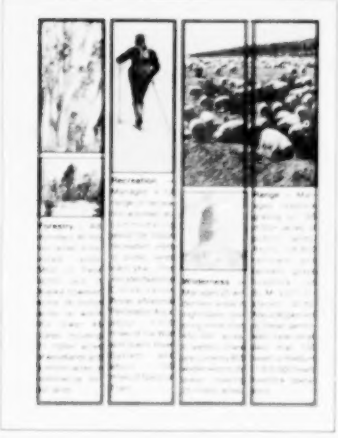


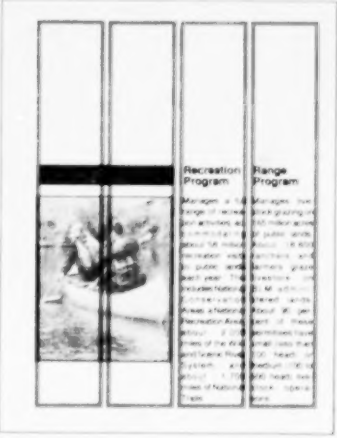


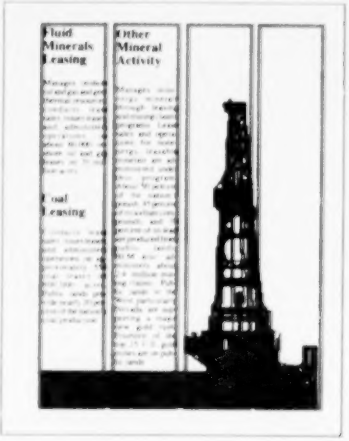


11"

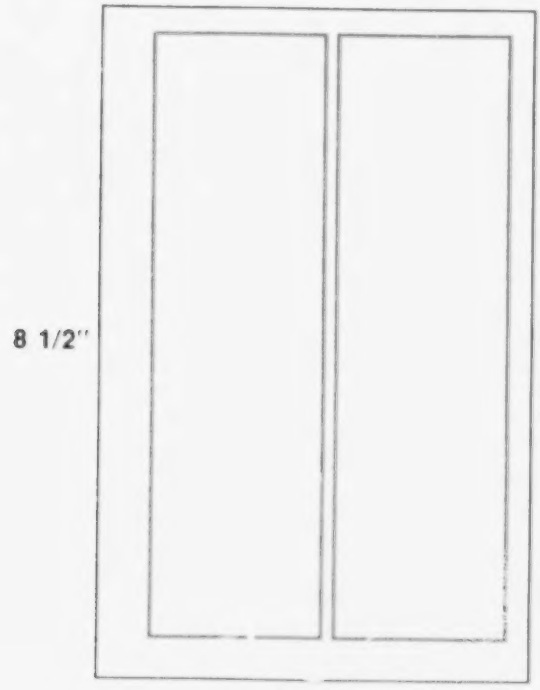
8 1/2"

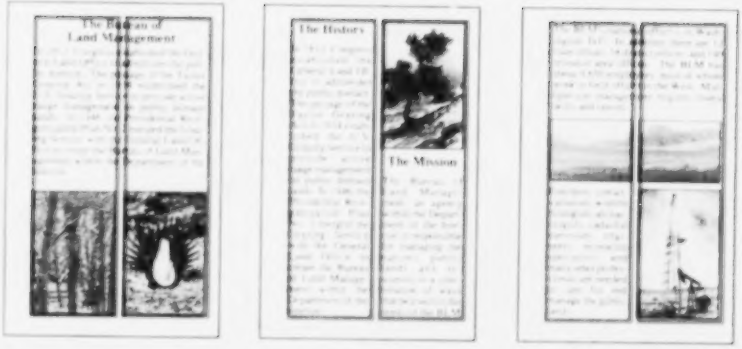



Recreation Program
Range Program

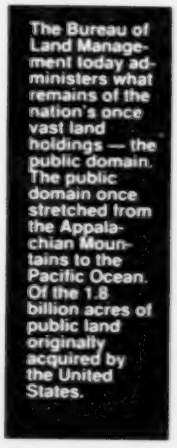

Fluid Minerals Leasing
Other Mineral Activity

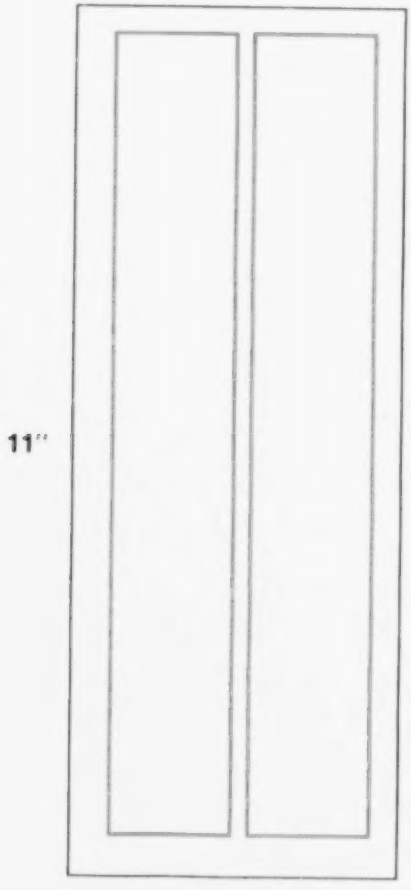
Format II - (5 1/2" x 8 1/2") Grid 1


8 1/2"
5 1/2"


The History
The Mission

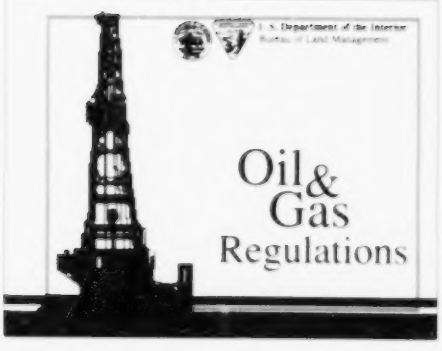
Format III - (4 1/4" x 11") Grid 1

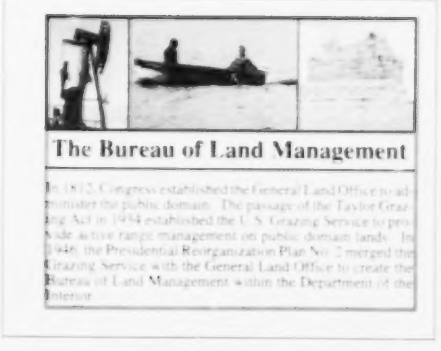

The Bureau of Land Management today administers what remains of the nation's once vast land holdings — the public domain. The public domain once stretched from the Appalachian Mountains to the Pacific Ocean. Of the 1.8 billion acres of public land originally acquired by the United States.


11"
4 1/4"

Bureau of
Land
Management

Format IV - (11" x 8 1/2") Grid 1

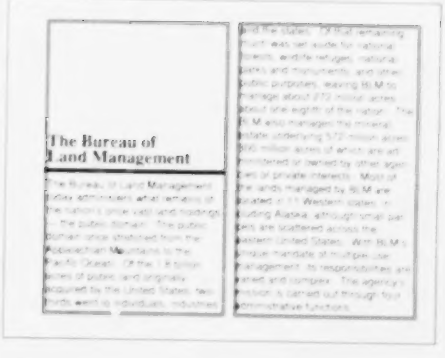


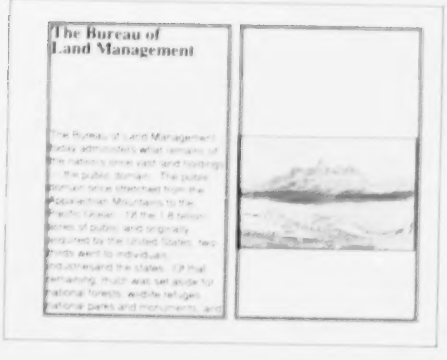


Format IV - (11" x 8 1/2") Grid 2

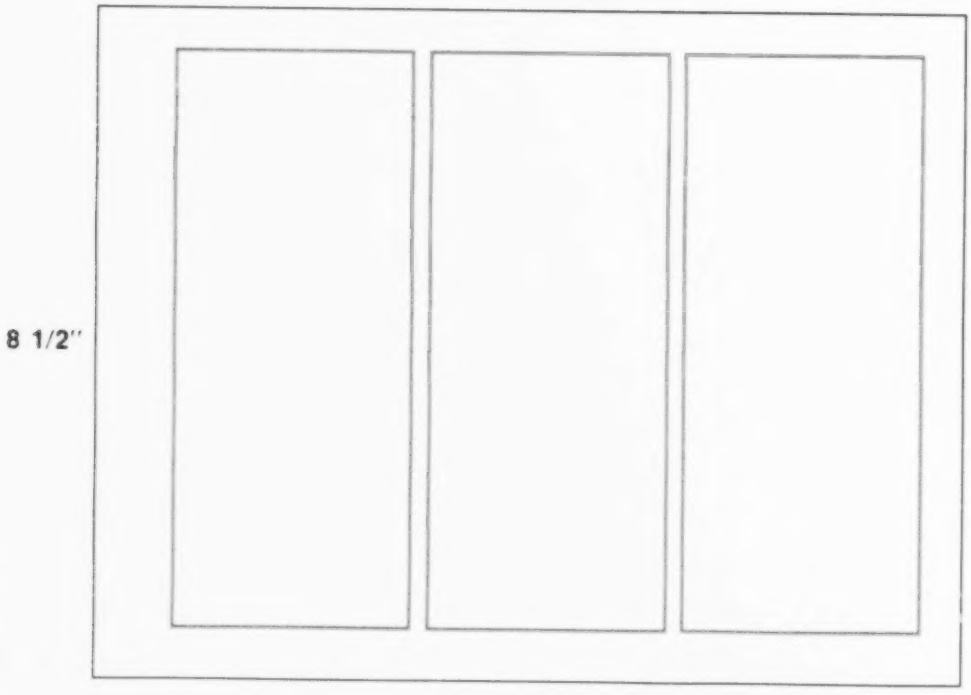
8 1/2"

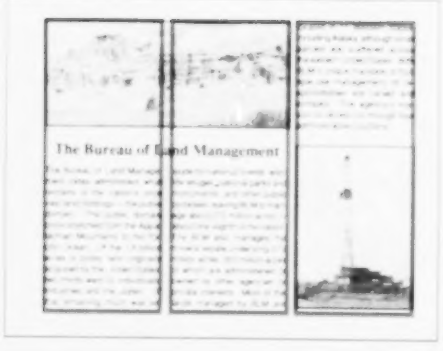
11"

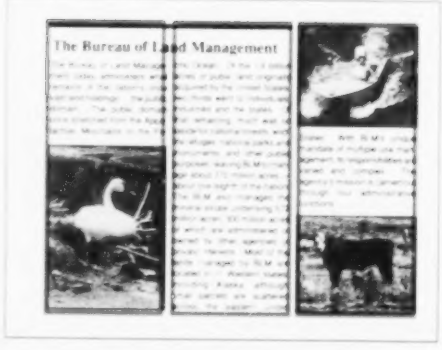


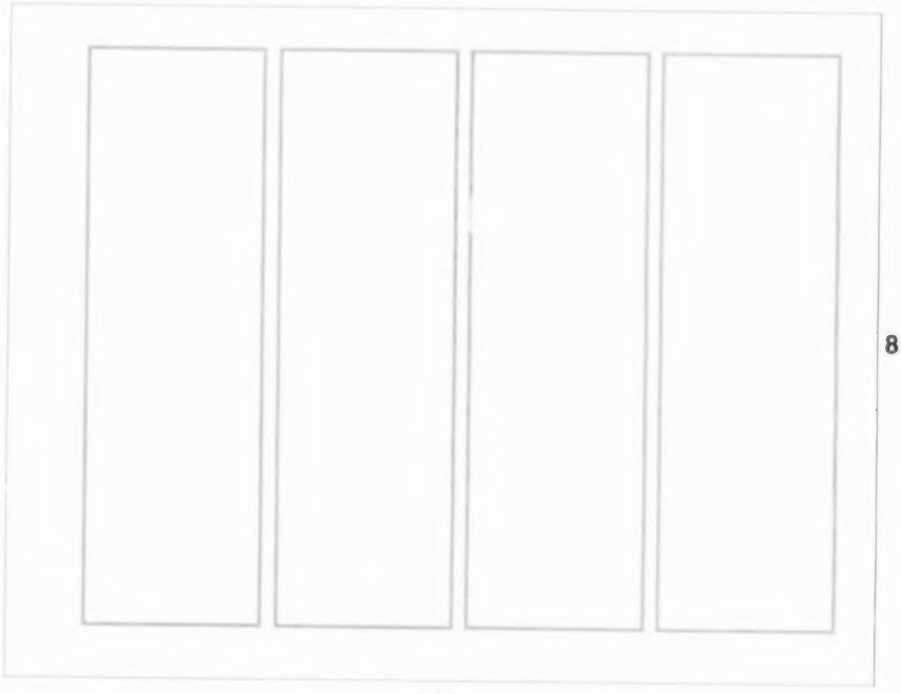


Format IV - (11" x 8 1/2") Grid 3



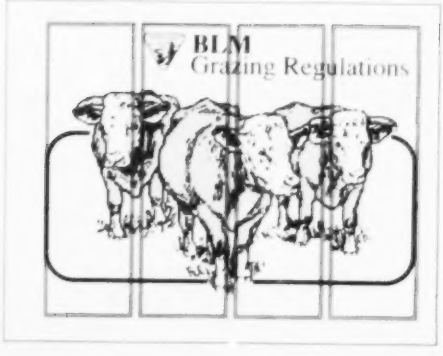


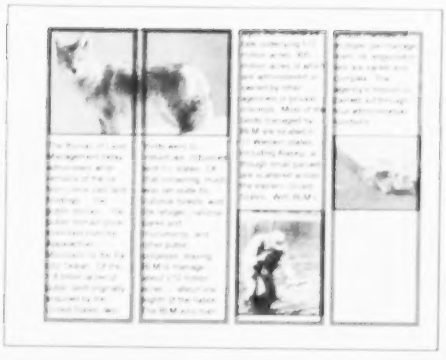




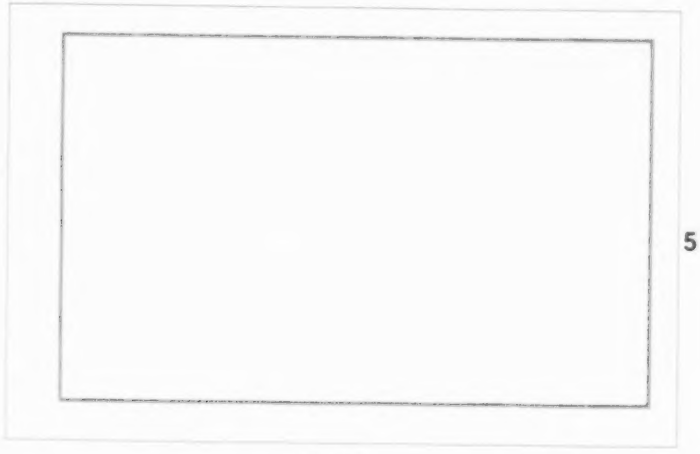
8 1/2"

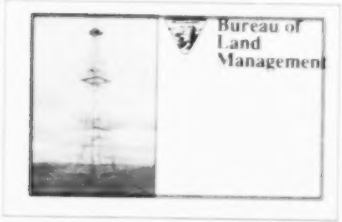
11"

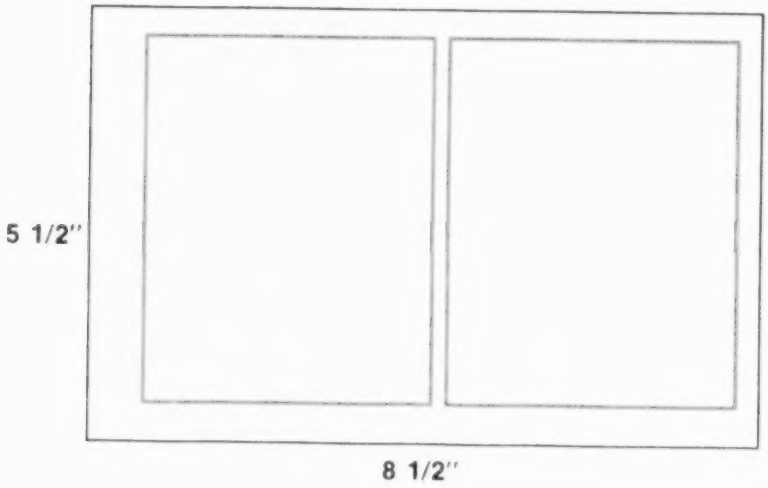


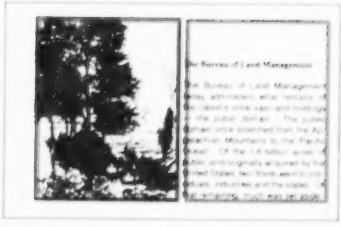


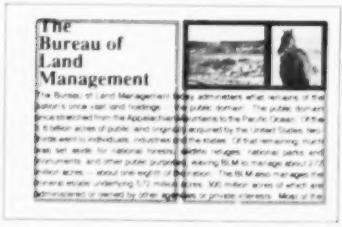
Format V - (8 1/2" x 5 1/2") Grid 1



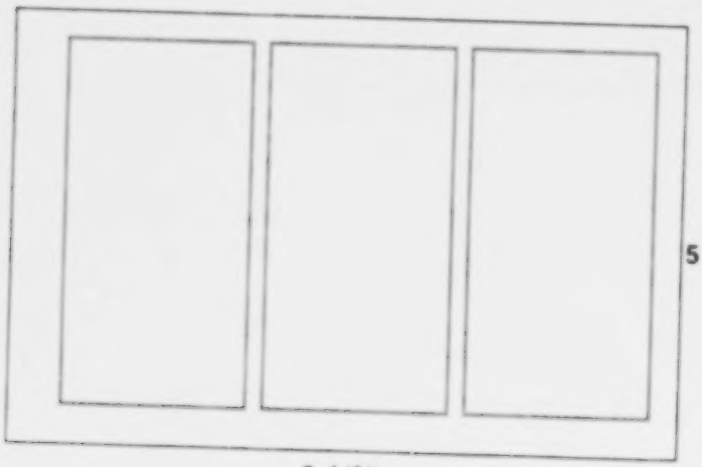


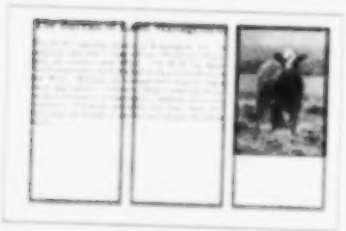

5 1/2"
8 1/2"

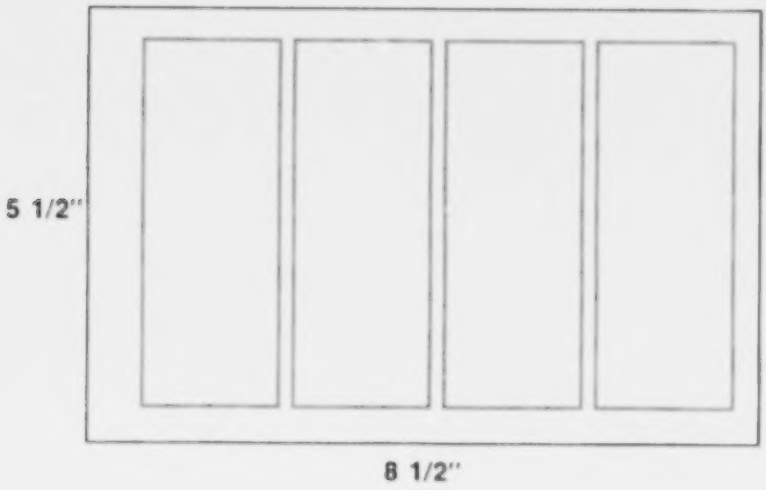


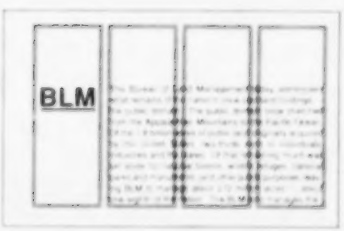

The Bureau of Land Management

Format V - (8 1/2" x 5 1/2") Grid 3

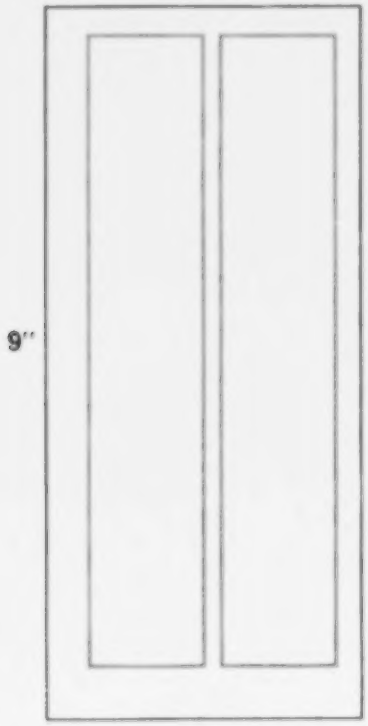




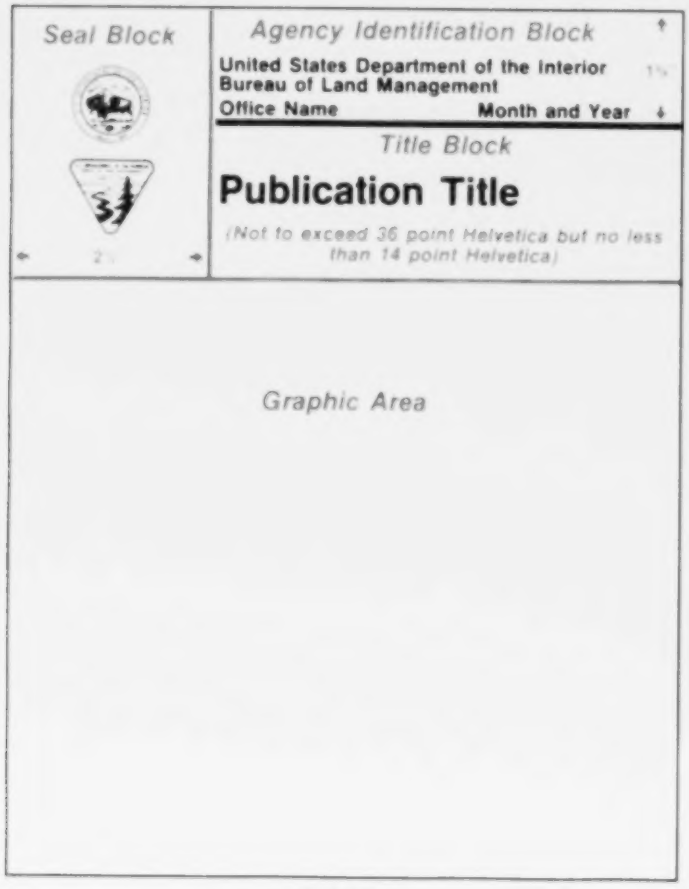

5 1/2"
8 1/2"


BLM

Format VI - (4" x 9") Grid 1


9"
4"

Planning Document — Cover 1



Mission Statement
(8 point Helvetica, Justified,
Centered within single column grid)
Index #
(8 point Helvetica Bold,
Centered within single
column grid, UPPER CASE)

11"

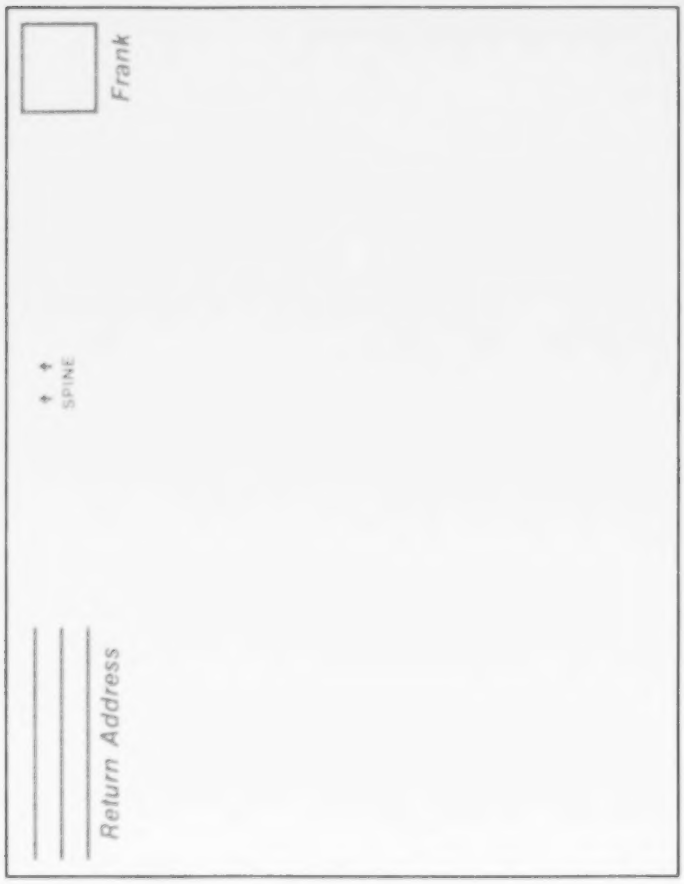
8 1/2"

Planning Document — Cover 3 (Inside Back)

Reserved for
map pocket or
Take Pride/Public Lands USA Logos

11"

8 1/2"

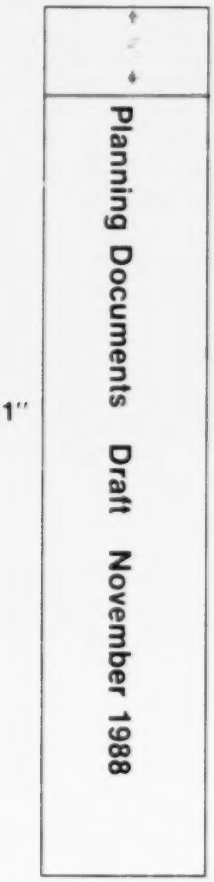


11″

8 1/2″

Planning Document Spine

(Use varying sizes of type to fit spine)



Graphic and Chapter Title

Text on the Divider Page is optional, however, if used, will consist only of graphic and corresponding text from that chapter.

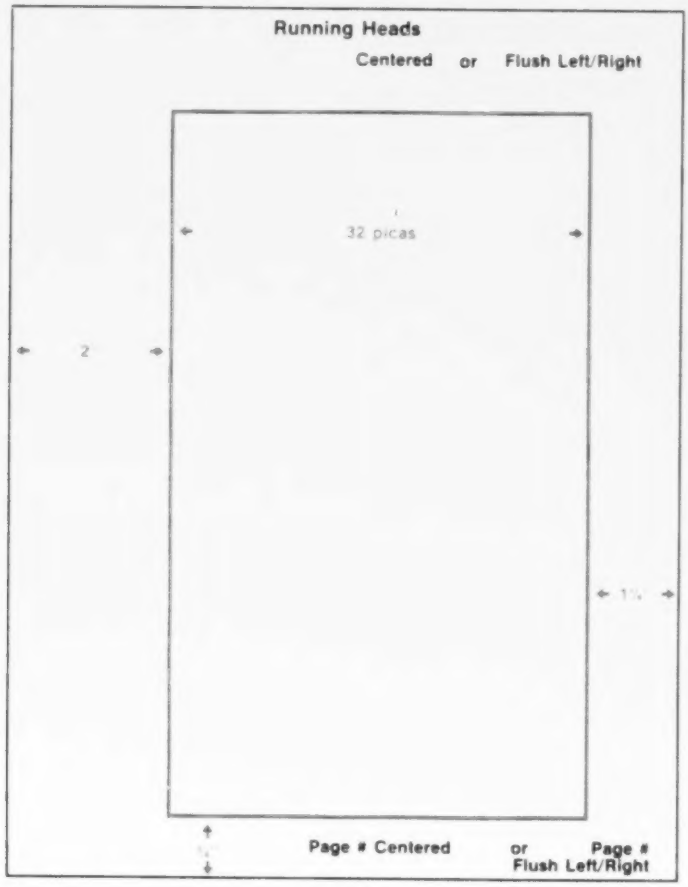
The graphic design of Divider Pages, is up to the office doing the document—but will bleed and will be consistent throughout the document.

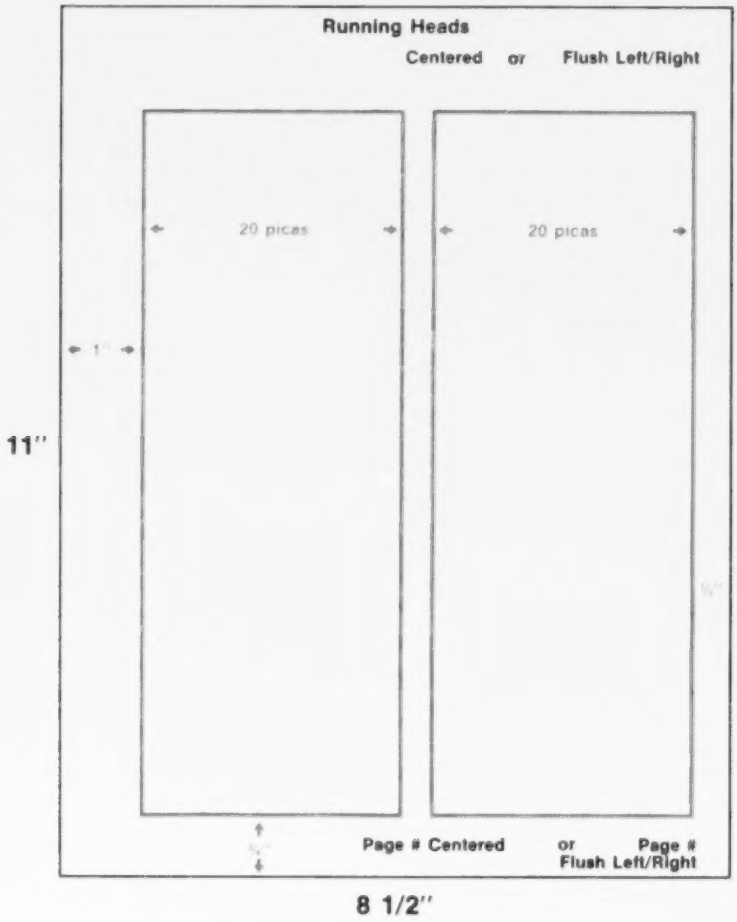
Chapter Narrative in two-column format.

11"

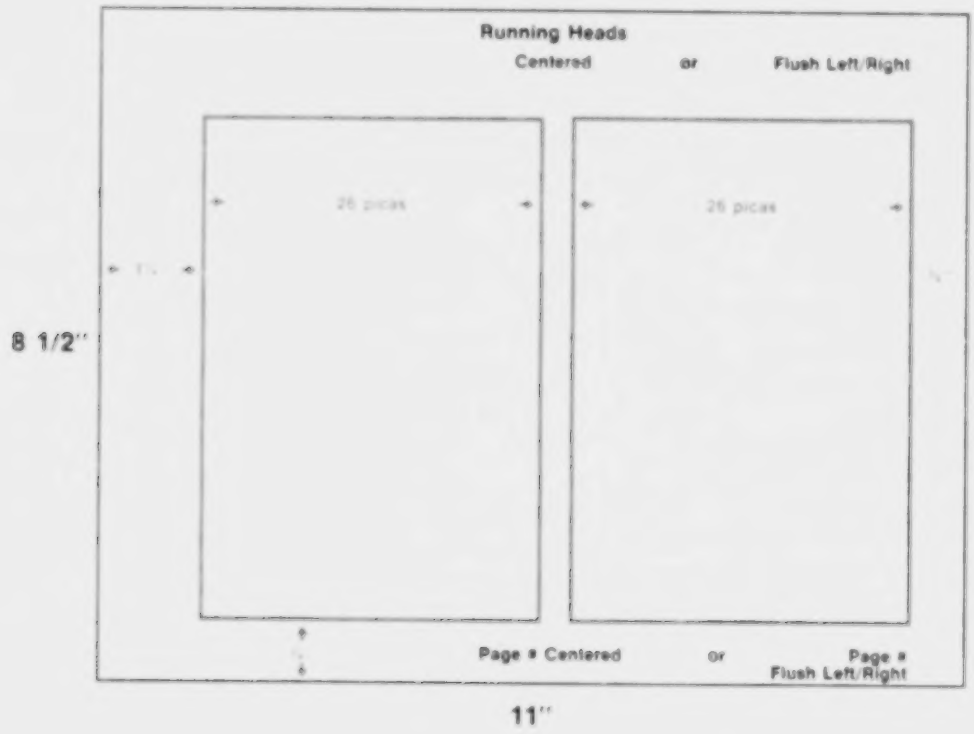
8 1/2"

Planning Document Format I - Grid 1

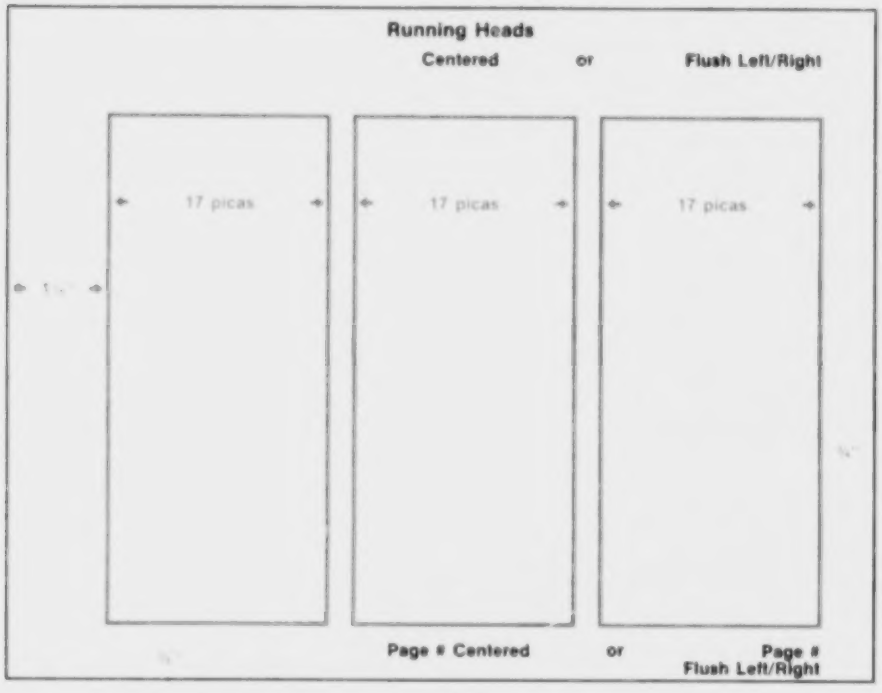



Running Heads
Centered or Flush Left/Right
20 picas
20 picas
1"
11"
Page # Centered or Page # Flush Left/Right
8 1/2"

Planning Document Format IV - Grid 2



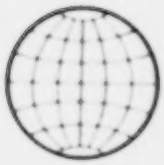
Planning Document Format IV - Grid 3



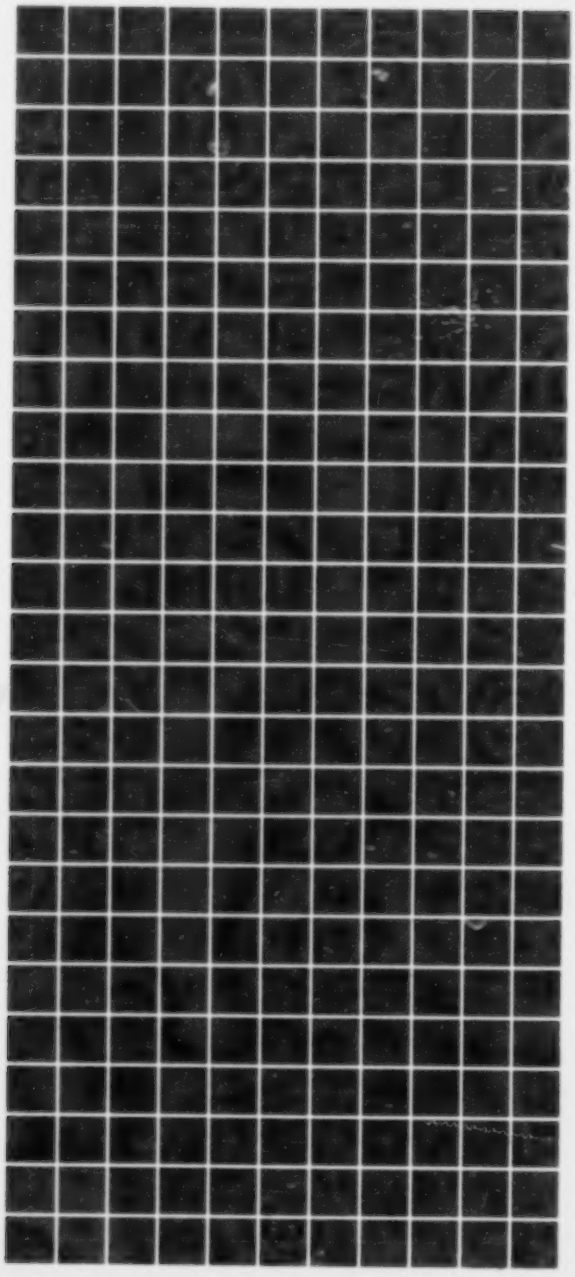
8 1/2"

11"

Notes



Mapping Standards



Map Standards

Introduction

Coordination of the graphic representation of mapping and related documents is essential for cost effectiveness and timely management. These graphic representations should satisfy the requirements of Congress for environmental documents, wilderness recreation, and special purpose graphics. The objective is to standardize symbols, colors and formats in order to produce uniform graphic products throughout the Bureau of Land Management. These graphics will also support the Bureau's mapping program and help to develop the annual work plan (AWP).

Some general guidelines for color selection and map scales and symbols are portrayed in the following matrices.

These standards are not all inclusive nor are intended to conflict with the requirements of the Bureau's 9161 Manual and Handbook for map construction. For variations or additional map requirement information, consult with your State or Service Center Mapping Science Coordinator.

Map Ownership and Withdrawal Matrix

Themes	Pattern	PMS	Yellow	Magenta	Cyan	Black
BLM[1]		141	50	10		
O&C BLM Forest		374	60		30	
National Forest		351	20		20	
National Grasslands		579	30		20	
National Park Service		263		20	20	
Indian Reservation		149	50	30		
Milt. Wdl/Corps of Engr.		203	5	30		
Fish & Wildlife Service		324	30		50	
LU (Bankhead/Jones)		196	10	20		
TVA		428			5	20
Patented		white				
State		290			30	
Bureau of Reclamation		218				
Power Withdrawal		218				
Fed. Agency Protection Wdl.		218				
Public Water Reserves		218				
Department of Energy		218				
O&C National Forest Admin.		374				
Radio/Air Facility		360				
Miscellaneous		360				
State Park and Wildlife Areas						
Acquired by Agency Admin.		471				

[1] Maintain BLM standard color on all public maps. Lighter shades of other agency lands may be used to emphasize BLM.

Map Scale and Symbol Matrix

Category	Scale											Symbols		
	1:4,800	1:12,000	1:24,000	1:31,680	1:63,360	1:100,000	1:126,720	1:250,000	1:500,000	1:1,000,000	Undefined Graphics[1]	Desktop	9161 Manual	International
Public Use					•	•	•	•	•	•	•	•	•	•
Management	•	•	•	•	•	•	•					•	•	
Recreation						•	•	•			•	•	•	•
Wilderness			•				•		•		•	•	•	
Transportation			•			•							•	
Resource Management	•	•	•			•						•	•	
Surface/Mineral						•			•	•			•	
Special Purpose	•	•	•	•	•	•	•	•	•	•	•	•	•	•

[1] Not a defined scale.

Conversion Table:

1:4,800	13.2"	= 1 mile
1:12,000	5.28"	= 1 mile
1:24,000	2.64"	= 1 mile
1:31,680	2"	= 1 mile
1:63,360	1"	= 1 mile
1:100,000	.63"	= 1 mile
1:126,720	.5"	= 1 mile
1:250,000	.25"	= 1 mile
1:500,000	.126"	= 1 mile
1:1,000,000	.063"	= 1 mile

The following symbols are the most common symbols used for recreation mapping. Additional symbols can be found in BLM Manual H-9161.

These symbols can be used in either a positive or negative format as shown below.

General

Symbol with slash mark indicates activity is prohibited

Automobiles

Bear Viewing Area

Dam

Deer Viewing Area

Drinking Water

Environmental Study Area

Falling Rock

Firearms

Fish Hatchery

Information

Lighthouse

Lookout Tower

Pedestrian Crossing

Pets on Leash

Ranger Station

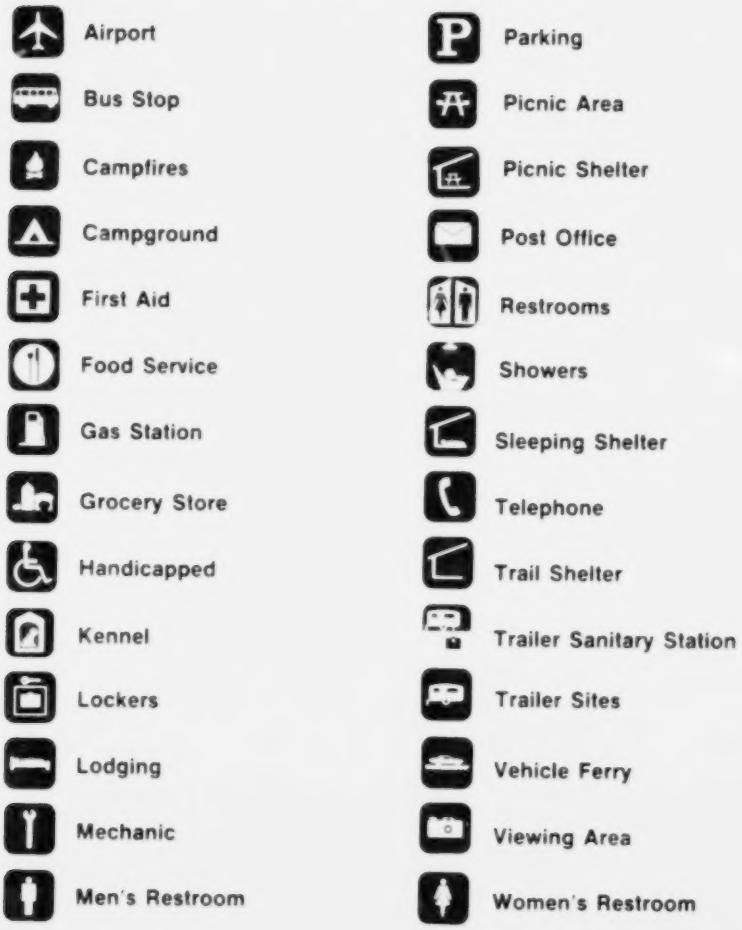
Smoking

Trucks

Tunnel

Recreational Symbols

Accomodations or Service



Land Recreation

Amphitheater

Bicycle Trail

Hiking Trail

Horse Trail

Hunting

Interpretive Auto Road

Interpretive Trail

Playground

Recreation Vehicle Trail

Stable

Trail Bike Trail

Tramway

Water Recreation

Diving

Fishing

Launching Ramp

Marina

Motor Boating

Row Boating

Sailboating

Scuba Diving

Surfing

Swimming

Water Skiing

Winter Recreation

Cross-Country Skiing

Downhill Skiing

Ice Skating

Ski Bobbing

Ski Jumping

Sledding

Snowmobiling

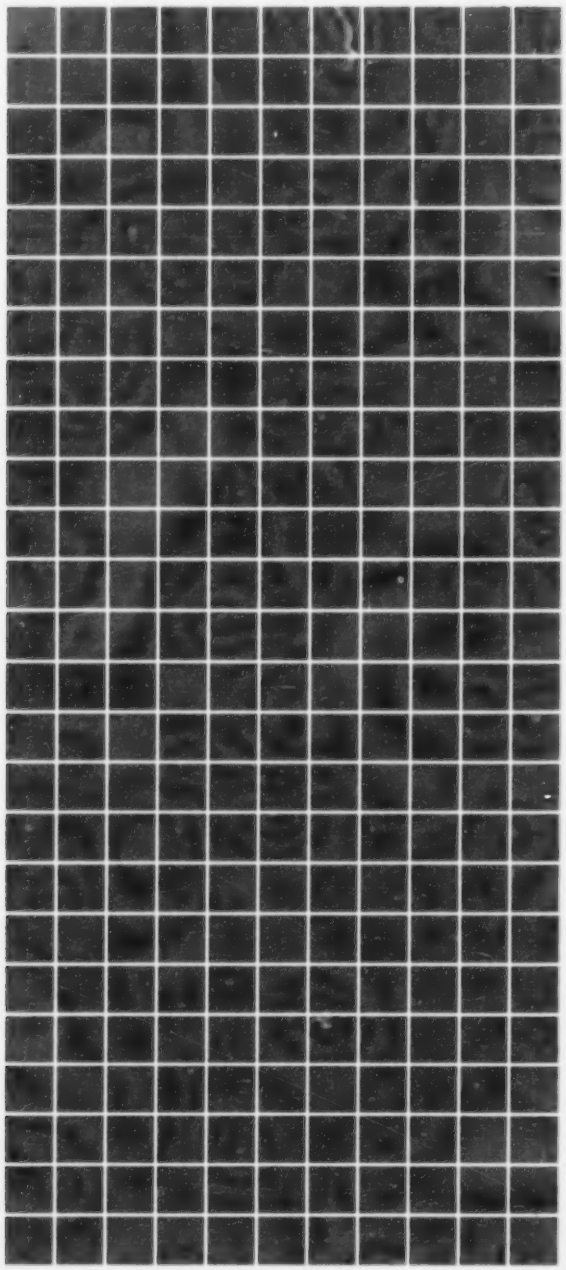
Winter Recreation Area

Notes

This section reserved for Letterhead and Envelopes.

This section reserved for
Signs.

A Appendixes



Appendix One

A Definitions

- **Book** - Publication consisting of more than 32 pages.
- **Booklet** - Publication consisting of eight or more pages with a separate cover which are stapled or saddle-stitched together.
- **Booklet Folder** - A booklet that is folded.
- **Brochure** - Single-sheet publication with one or more folds where each section is a page/panel.
- **Flier** - Single Page (printed on one side).
- **Grid** - A framework of lines and modules to assist the organization of all visual material to create a visually consistent piece of literature.
- **Handout** - Unpublished, printed materials that contain multiple sheets and are printed on one or both sides.
- **Leaflet** - Single page (printed both sides).
- **Line Art** - Artwork or photomechanical art that is printed solid with single tone of color.
- **PMS** - Pantone Matching System. A brand name for a widely used system for matching color desired for printing with numbered color samples.
- **Pamphlet** - Publication consisting of eight or more pages with a self-cover.
- **Pica** - A unit of measure in the typesetting trade. A pica is 1/6 of an inch. There are 12 points in a pica.
- **Points** - A unit of measure in the typesetting trade. Twelve points equal one pica. There are 72 points to an inch.
- **Poster** - Single sheet printed on one side for display.
- **Process Color** - The use of the three primary colors—yellow, red (magenta), and blue (cyan), plus black—to reproduce the full range of colors in most original color copy.
- **Recruitment** - Publication on BLM career opportunities.
- **Saddle-stitched** - A binding method by means of stapling through the spine of 8 pages or more.
- **Sans Serif** - Letterforms which do not have serifs, but open and close with no curves and flourishes.
- **Serifs** - The opening and closing cross-strokes in the letterforms of some typefaces.
- **Signature** - A single sheet of paper from which, by means of folding, stitching and trimming, a booklet is made.
- **Signature** - An organization's emblem and name appearing together.
- **Special Report** - One-time formal presentation of information or results.

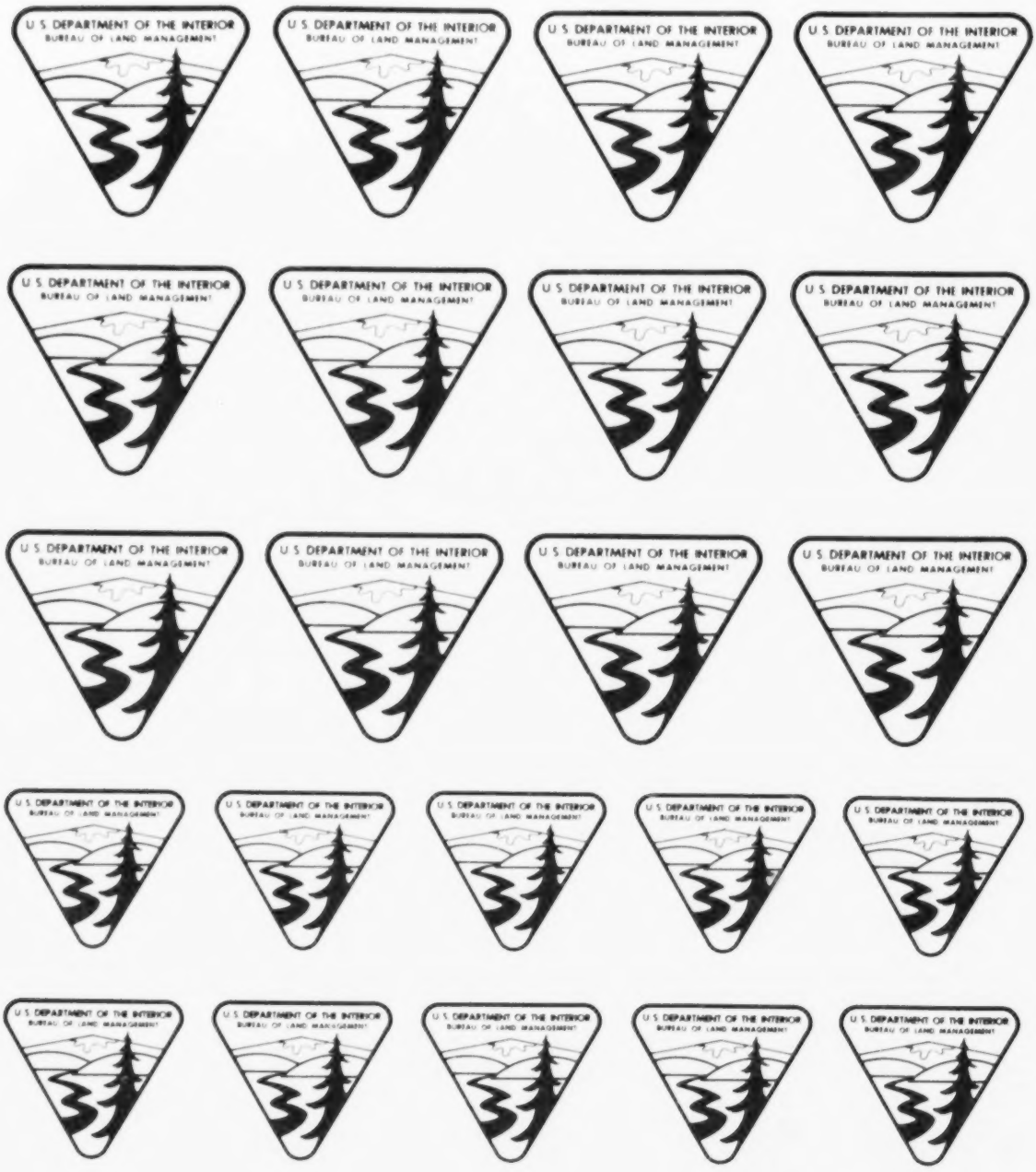
United States Department of the Interior

United States Department of the Interior

Bureau of Land Management

Bureau of Land Management

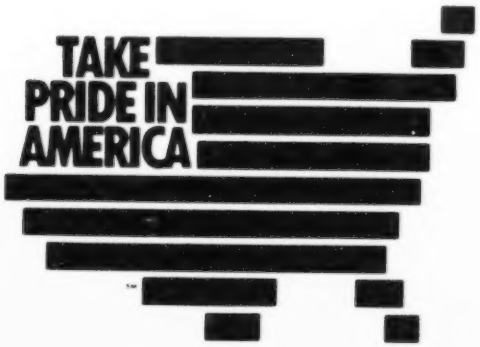
Bureau of Land Management



Reproduction Instructions

When using multicolor inks, the logo must print in PMS 186 and Reflex Blue as indicated.

Take Pride in America



Reproduction Instructions

If only one color ink is being used, the entire logo must be printed in that color.

Public Lands USA

Reproduction Instructions

When using multicolor inks, the logo must print in PMS 186, 283, 292, 293 as indicated.

Public Lands USA

Bureau of Land Management

PUBLIC LANDS ☆USA☆

USE ☆ SHARE ☆ APPRECIATE

Bureau of Land Management

PUBLIC LANDS ☆USA☆

USE ☆ SHARE ☆ APPRECIATE

Reproduction Instructions

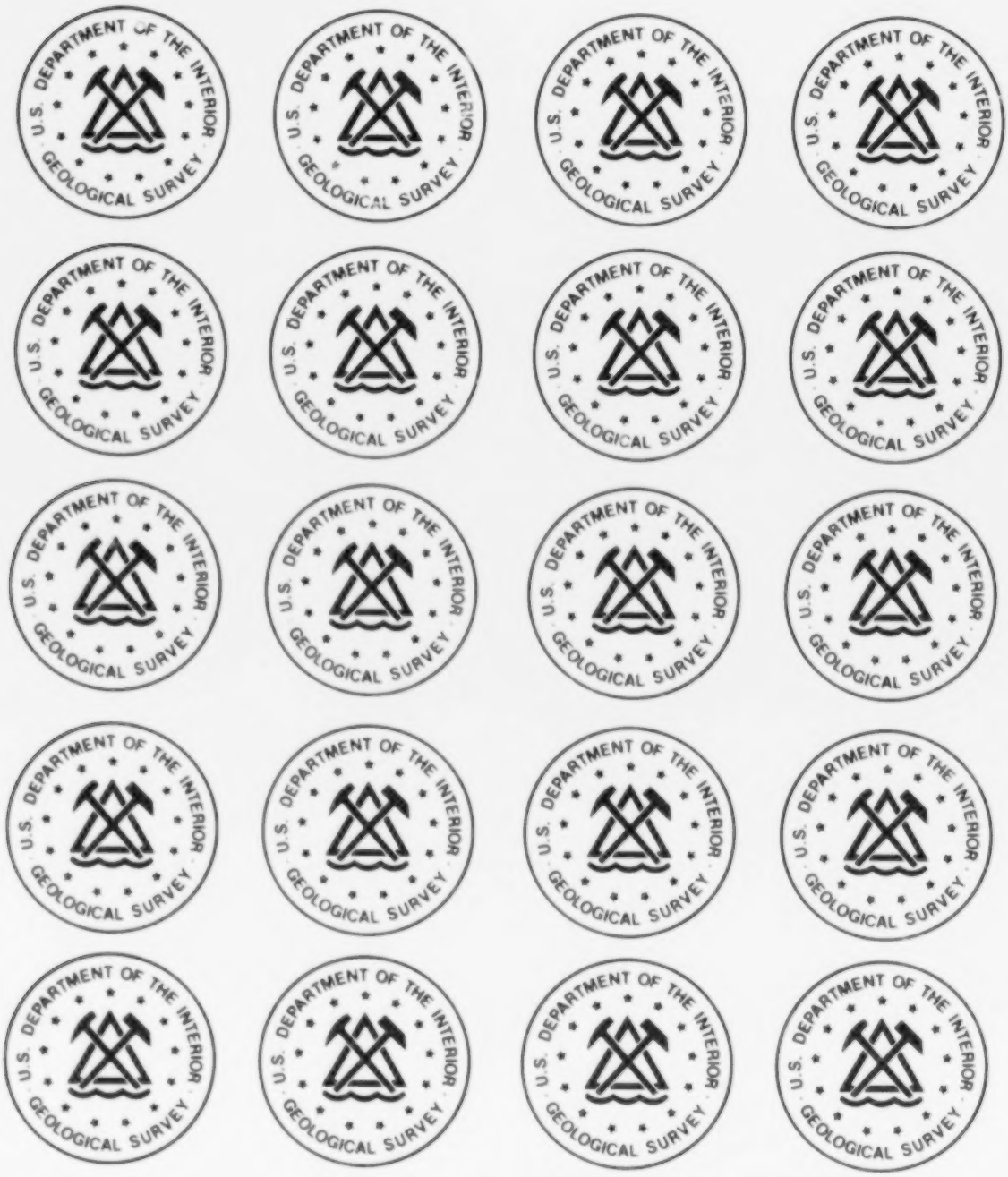
If only one color ink is being used, the entire logo must be printed in that color.

Bureau of Mines

Bureau of Reclamation

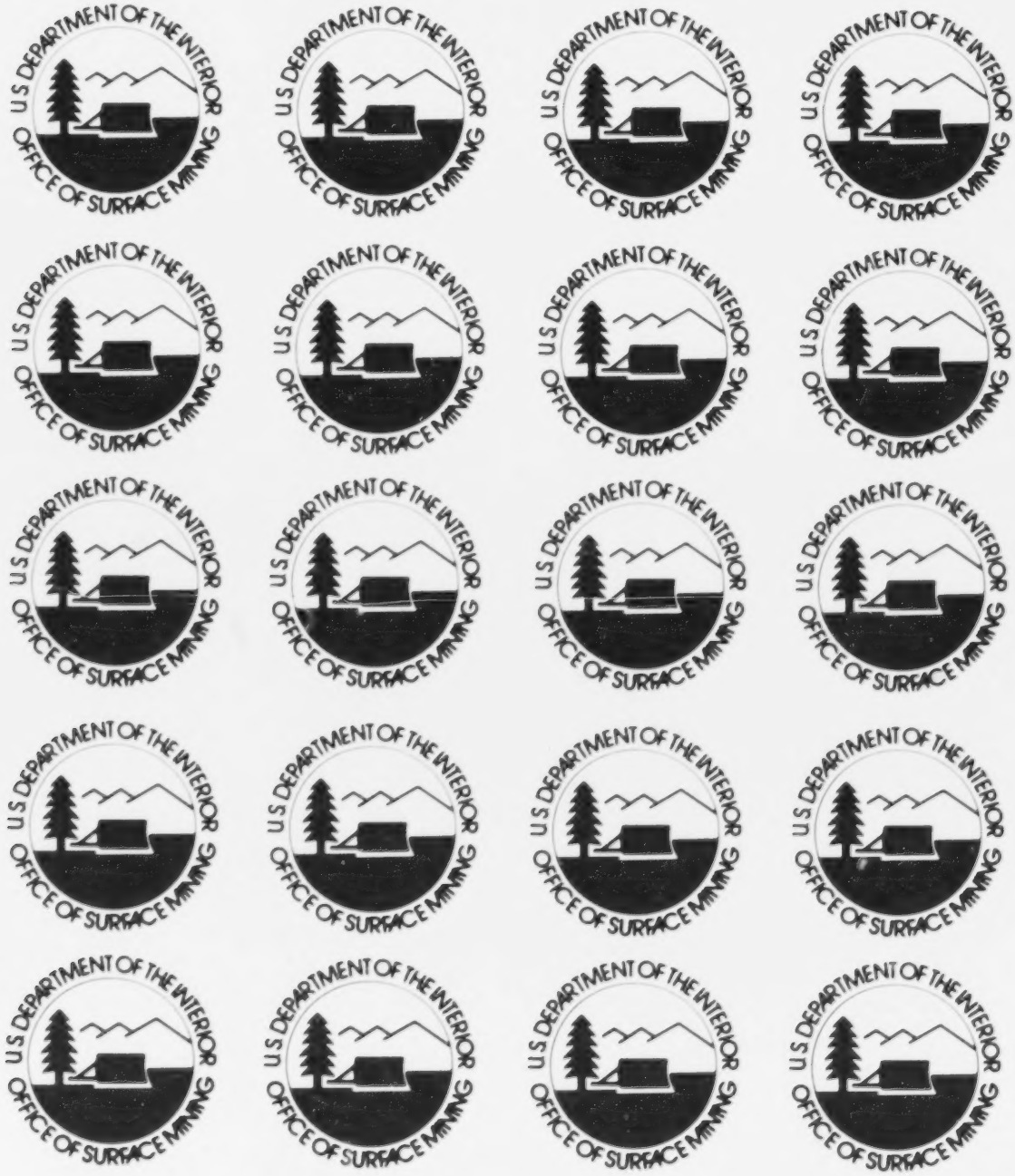
Fish and Wildlife Service

Geological Survey

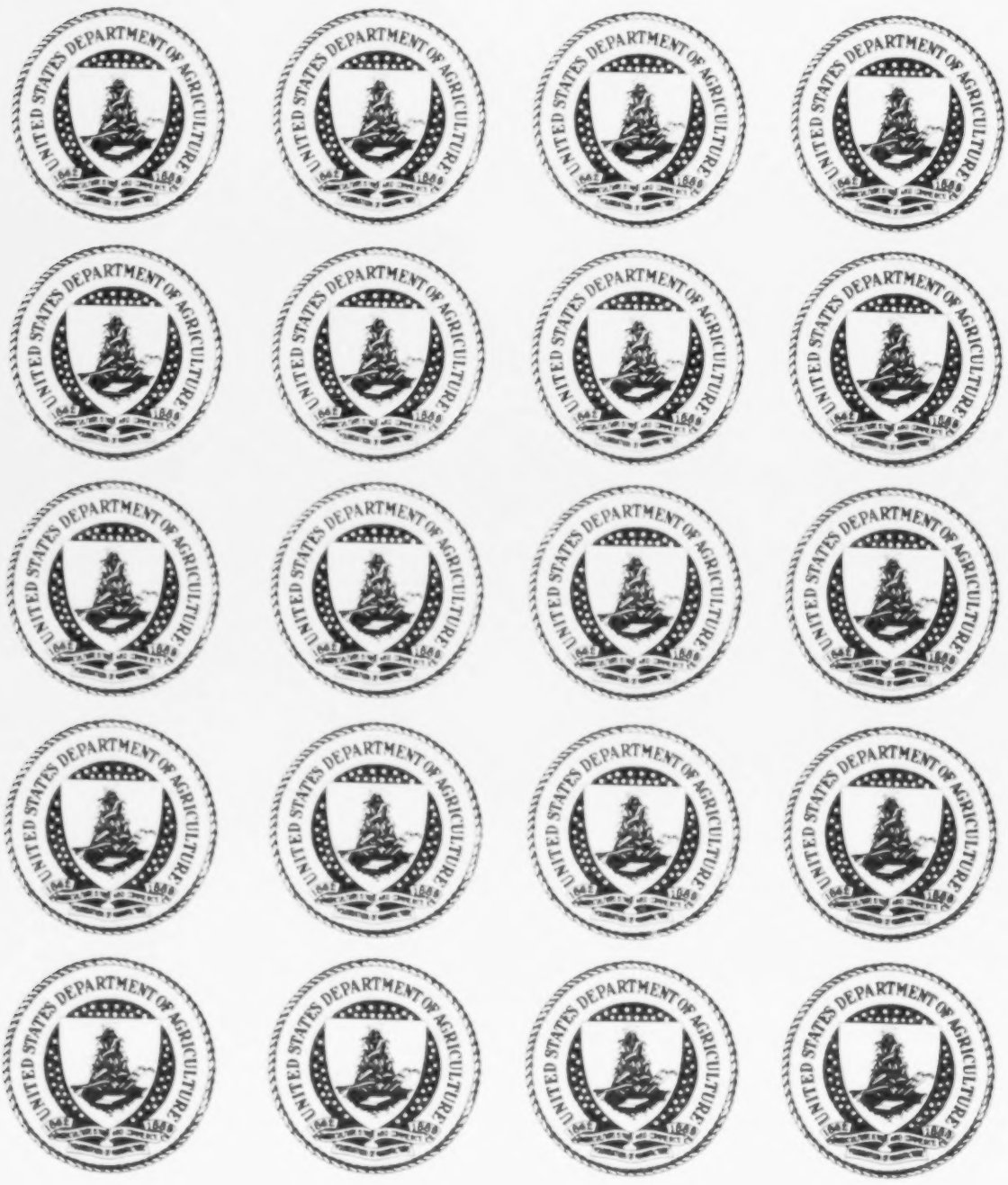


National Park Service

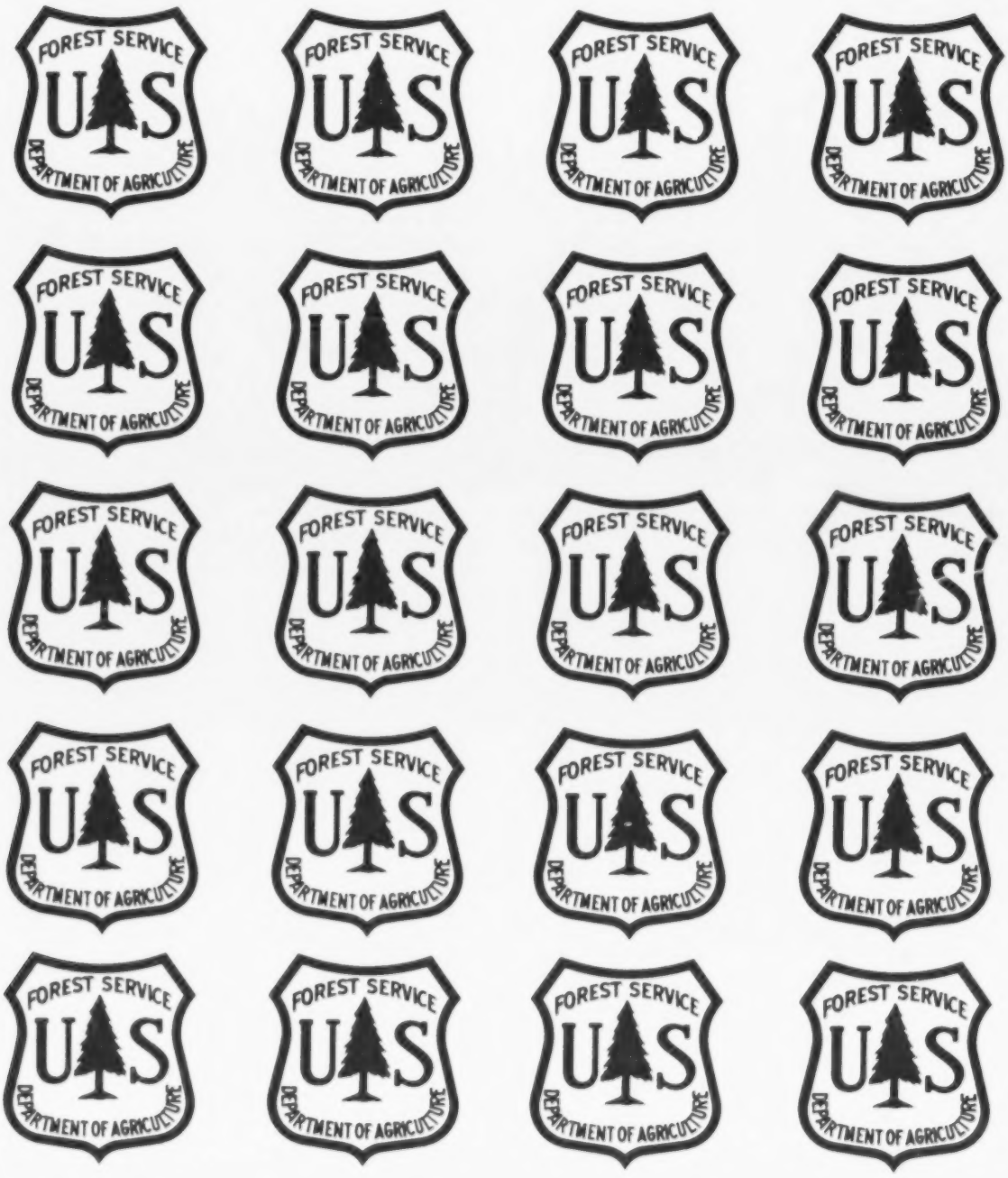
Office of Surface Mining



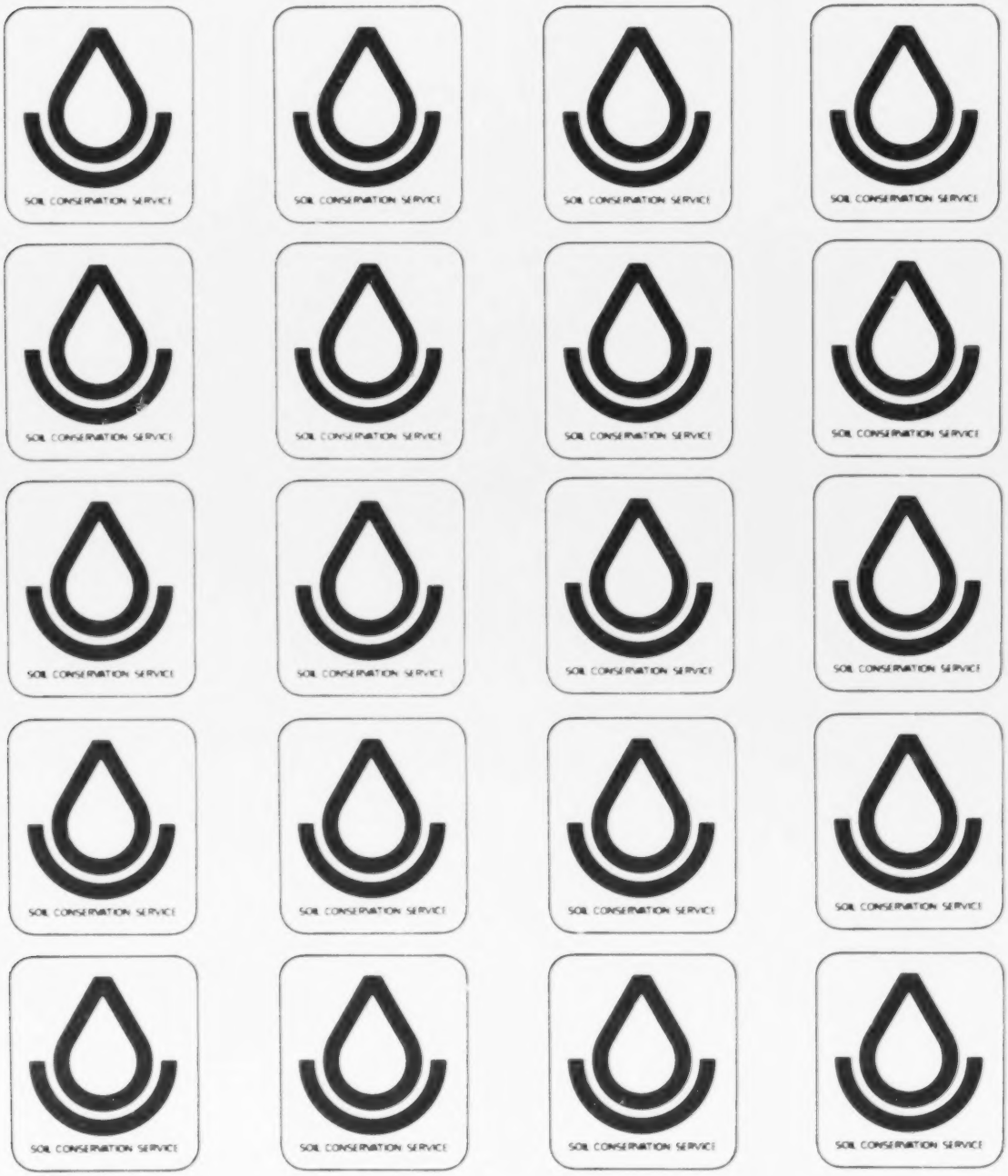
United States Department of Agricultural



Forest Service



Soil Conservation



Environmental Protection Agency

United States Postal Services

Page Layout Templates A

Appendix Three

The following templates show various page layout formats and grids at actual size. These templates can be used as a guide when placed under publication pages for layout positioning.

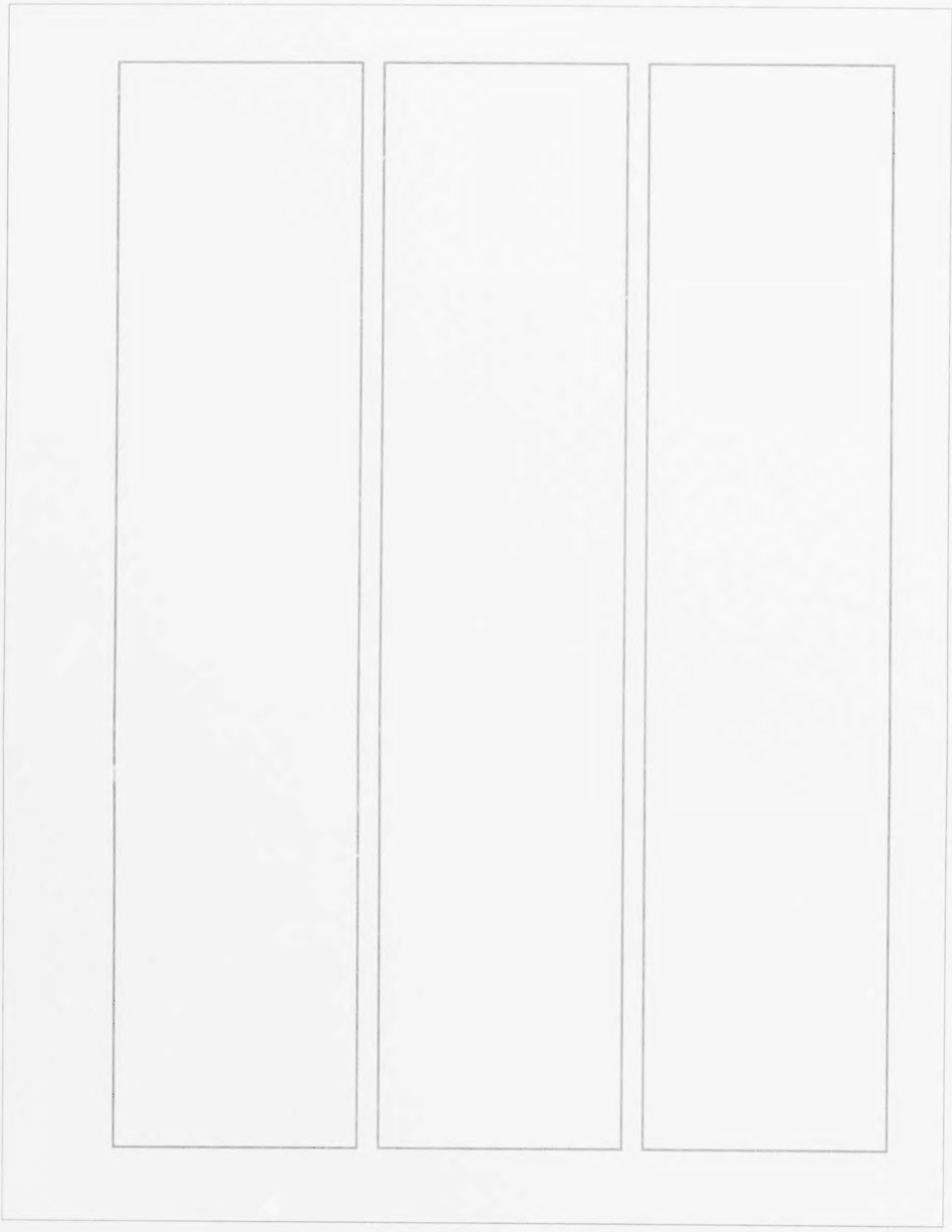
The outlined area for placement of text and graphics are printed in nonreproducable blue.

Templates must be reversed for back or left hand pages.

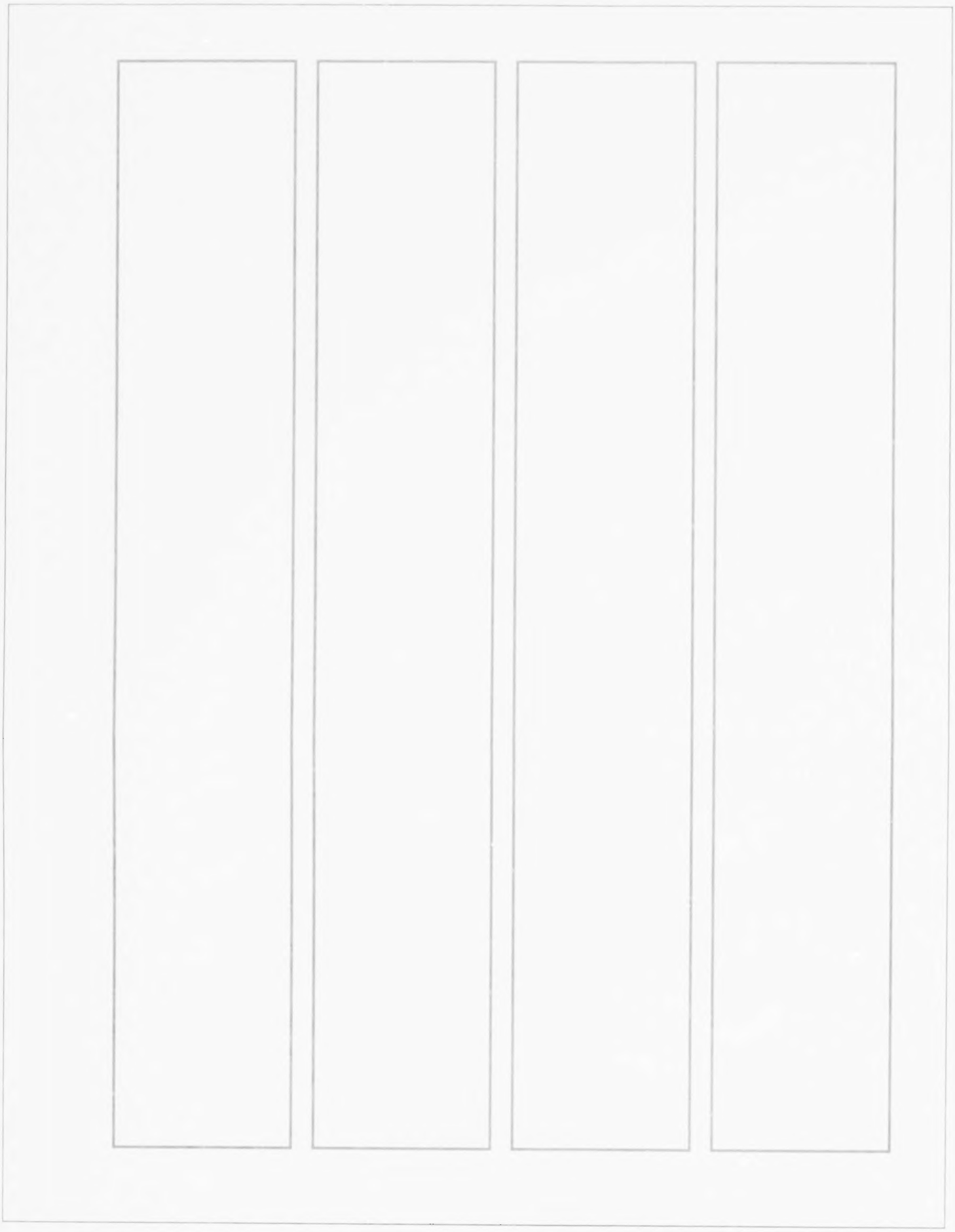
Format I - (8 1/2" x 11") Grid 1

Format I - (8 1/2″ x 11″) Grid 2

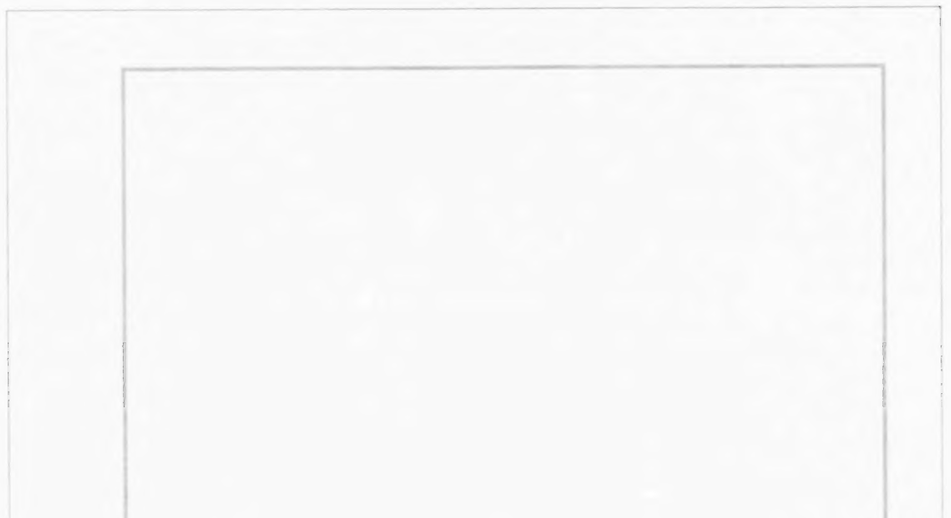
Format I - (8 1/2" x 11") Grid 3



Format I - (8 1/2" x 11") Grid 4



Format II - (5 1/2" x 8 1/2") Grid 1



Format II - (5 1/2" x 8 1/2") Grid 2

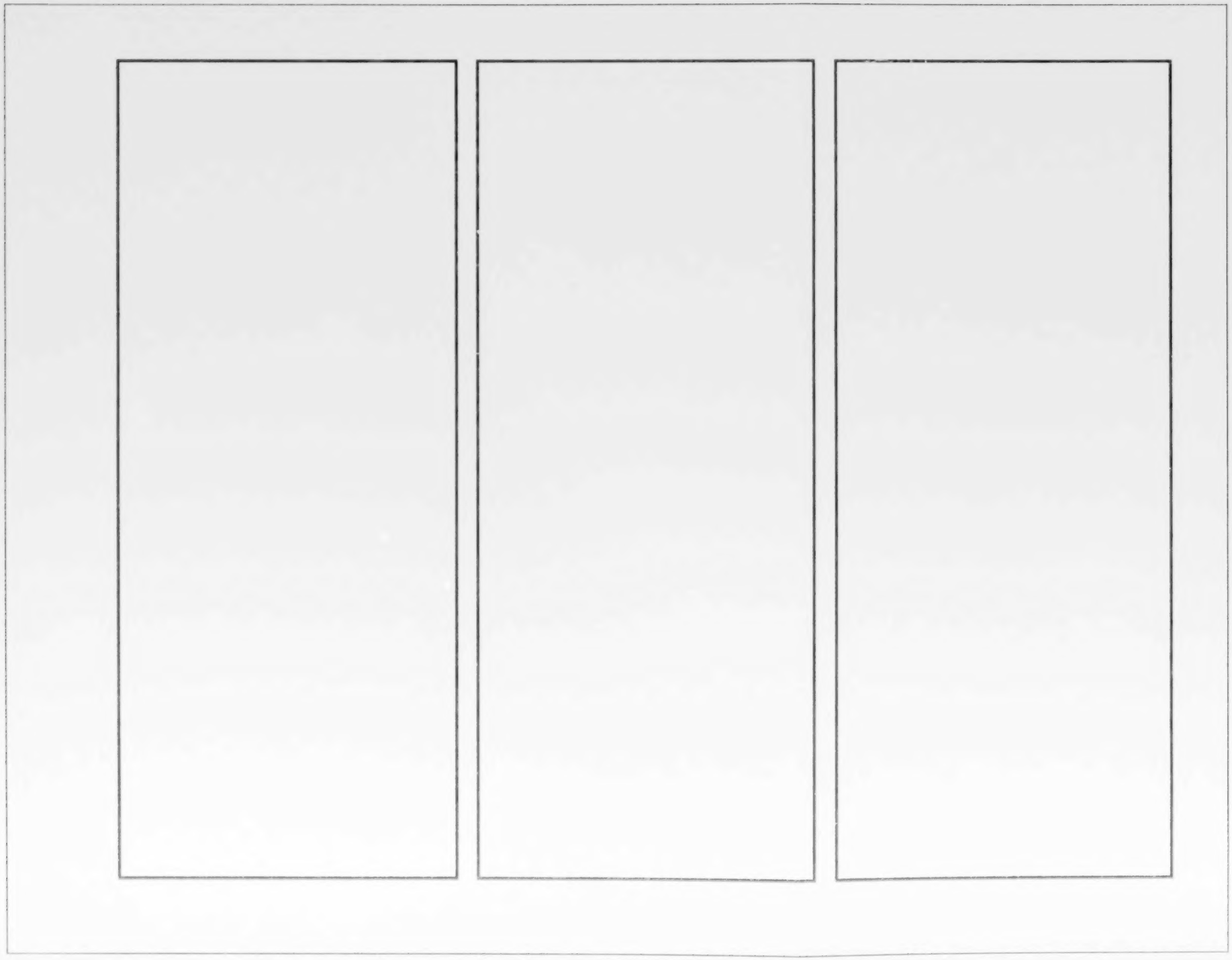
Format III - (4 1/4" x 11") Grid 1

Format III - (4 1/4" x 11") Grid 2

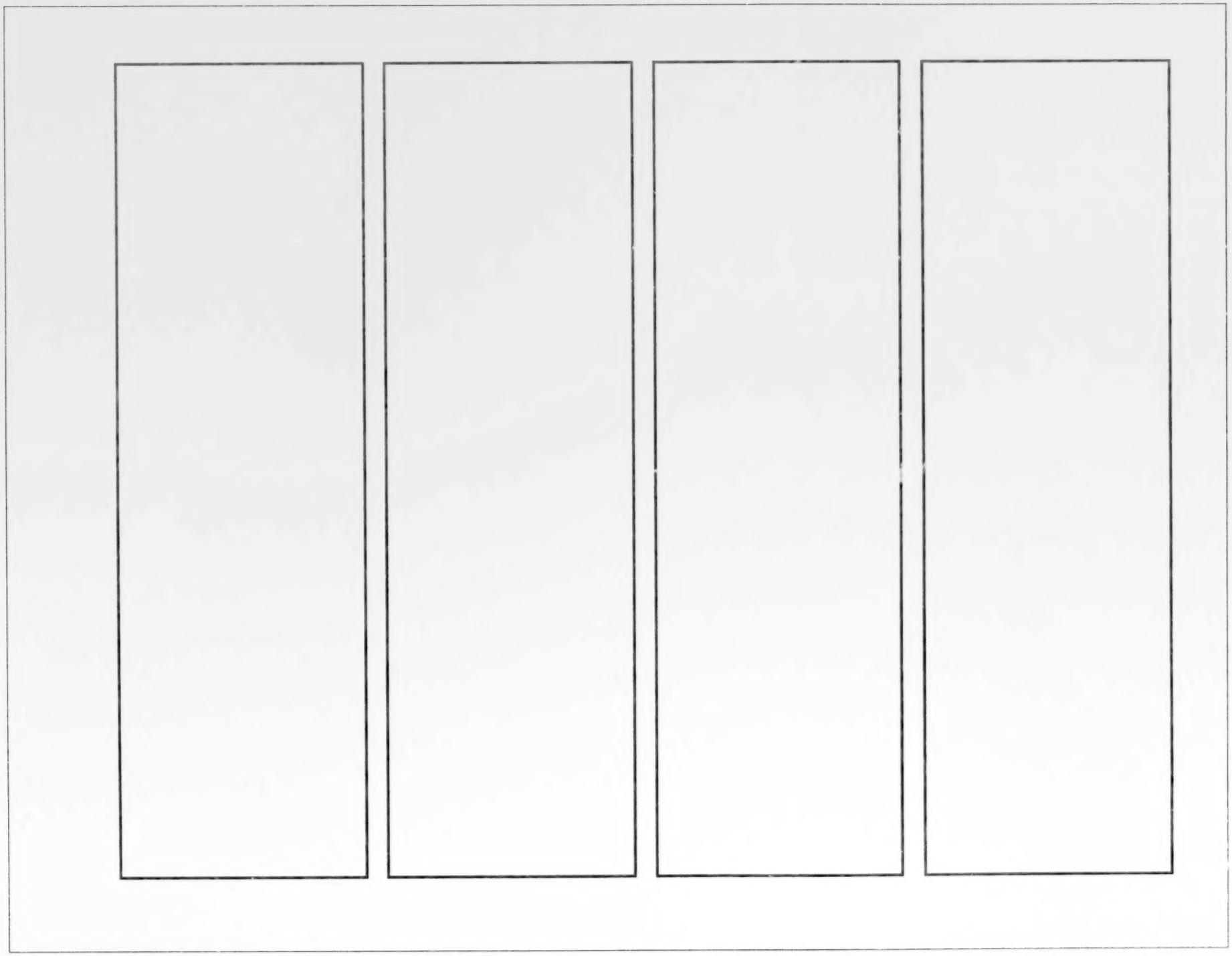
Format IV - (11" x 8 1/2") Grid 1

Format IV - (11" x 8 1/2") Grid 2

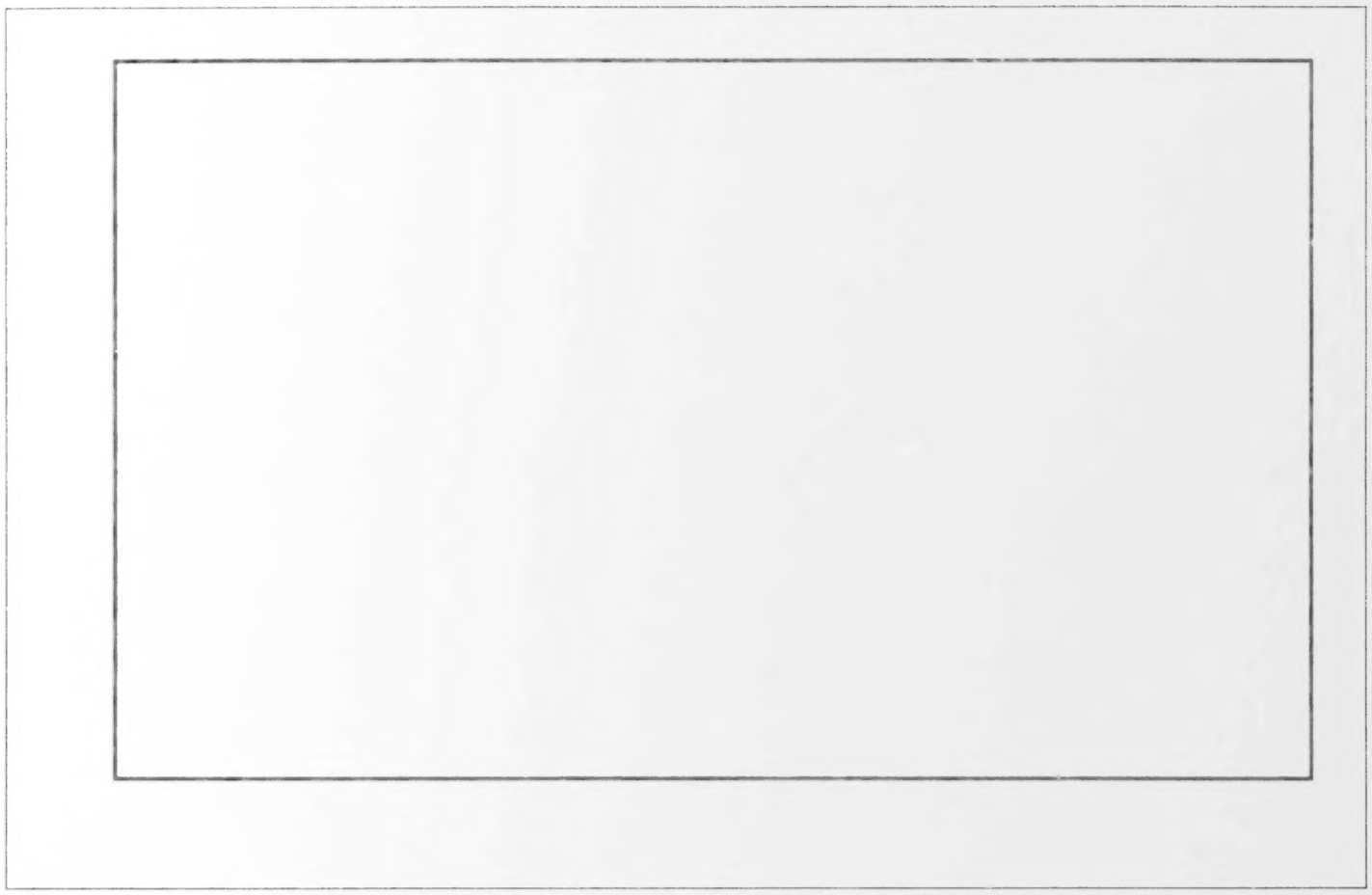
Format IV - (11" x 8 1/2") Grid 3



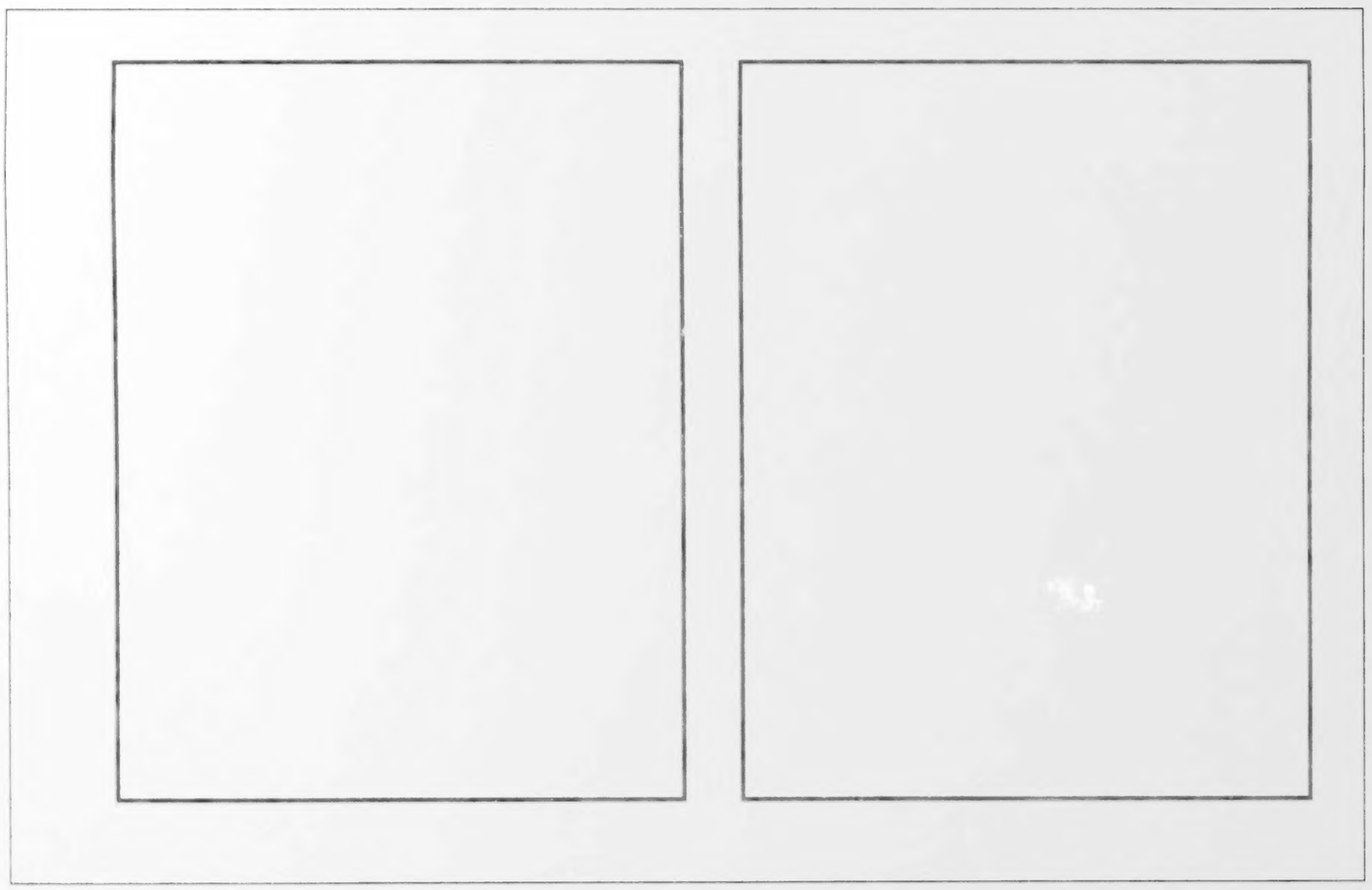
Format IV - (11" x 8 1/2") Grid 4



Format V - (8 1/2" x 5 1/2") Grid 1

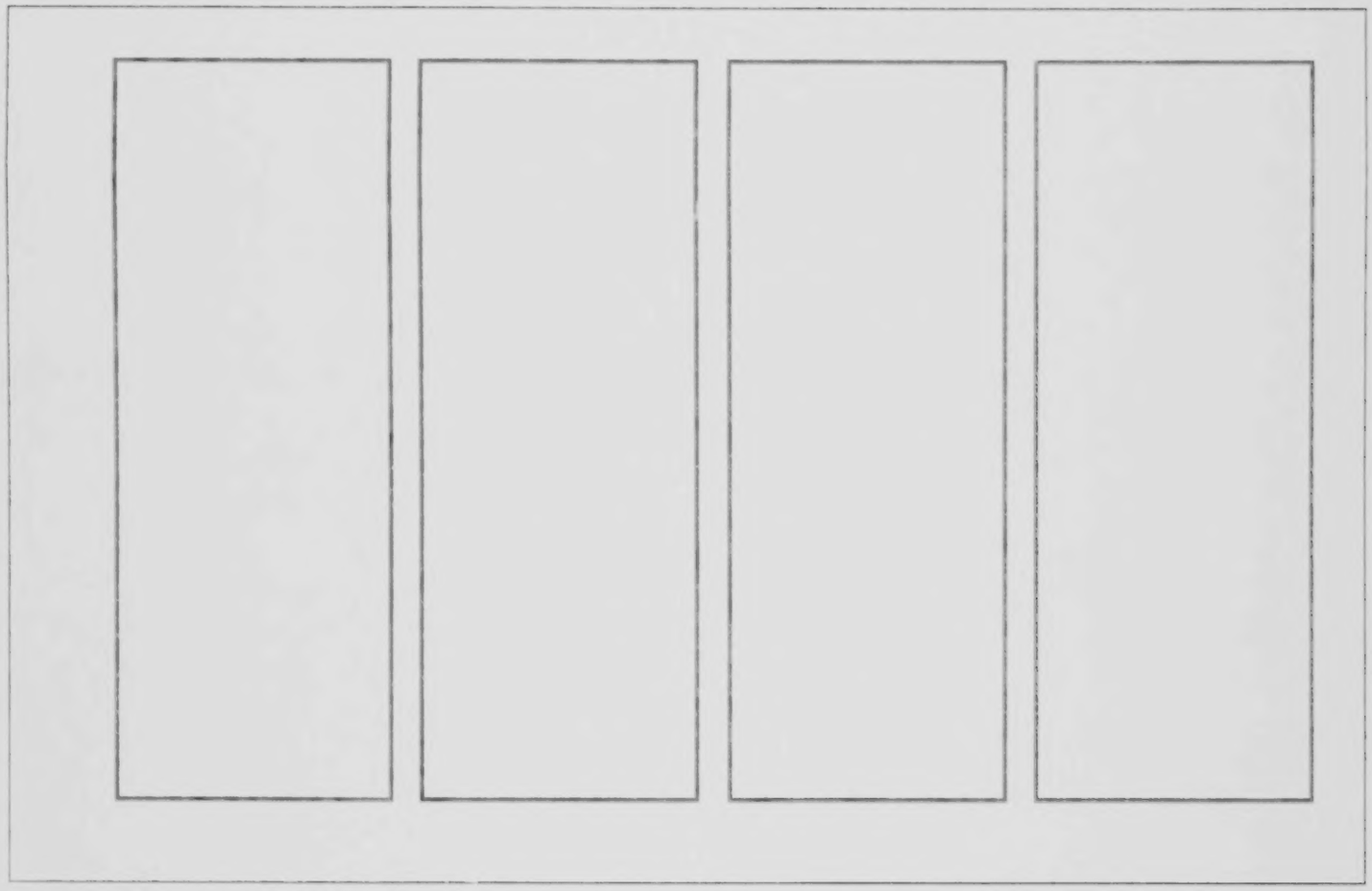


Format V - (8 1/2" x 5 1/2") Grid 2



Format V - (8 1/2" x 5 1/2") Grid 3

Format V - (8 1/2" x 5 1/2") Grid 4



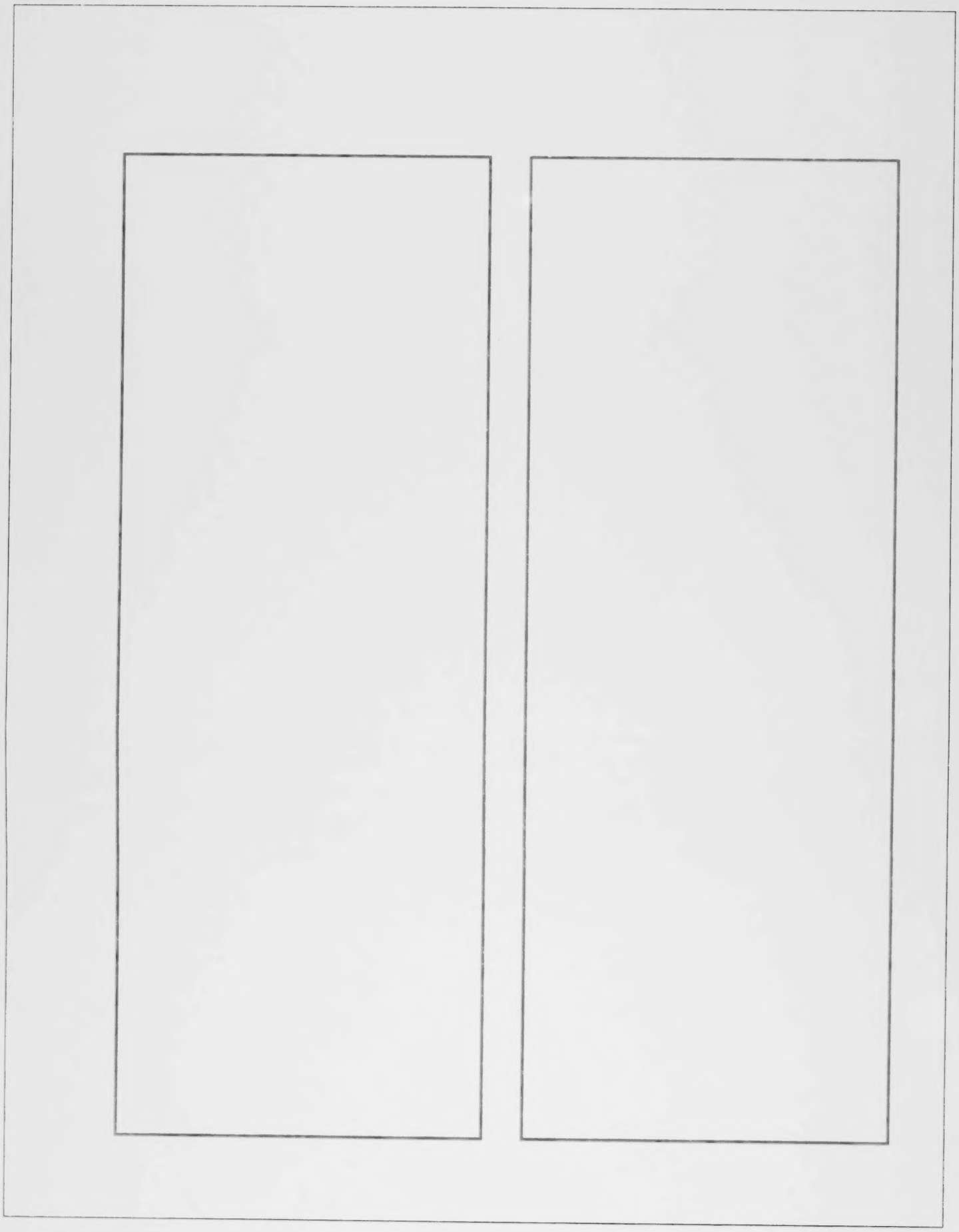
Format VI - (4″ x 9″) Grid 1

Format VI - (4″ x 9″) Grid 2

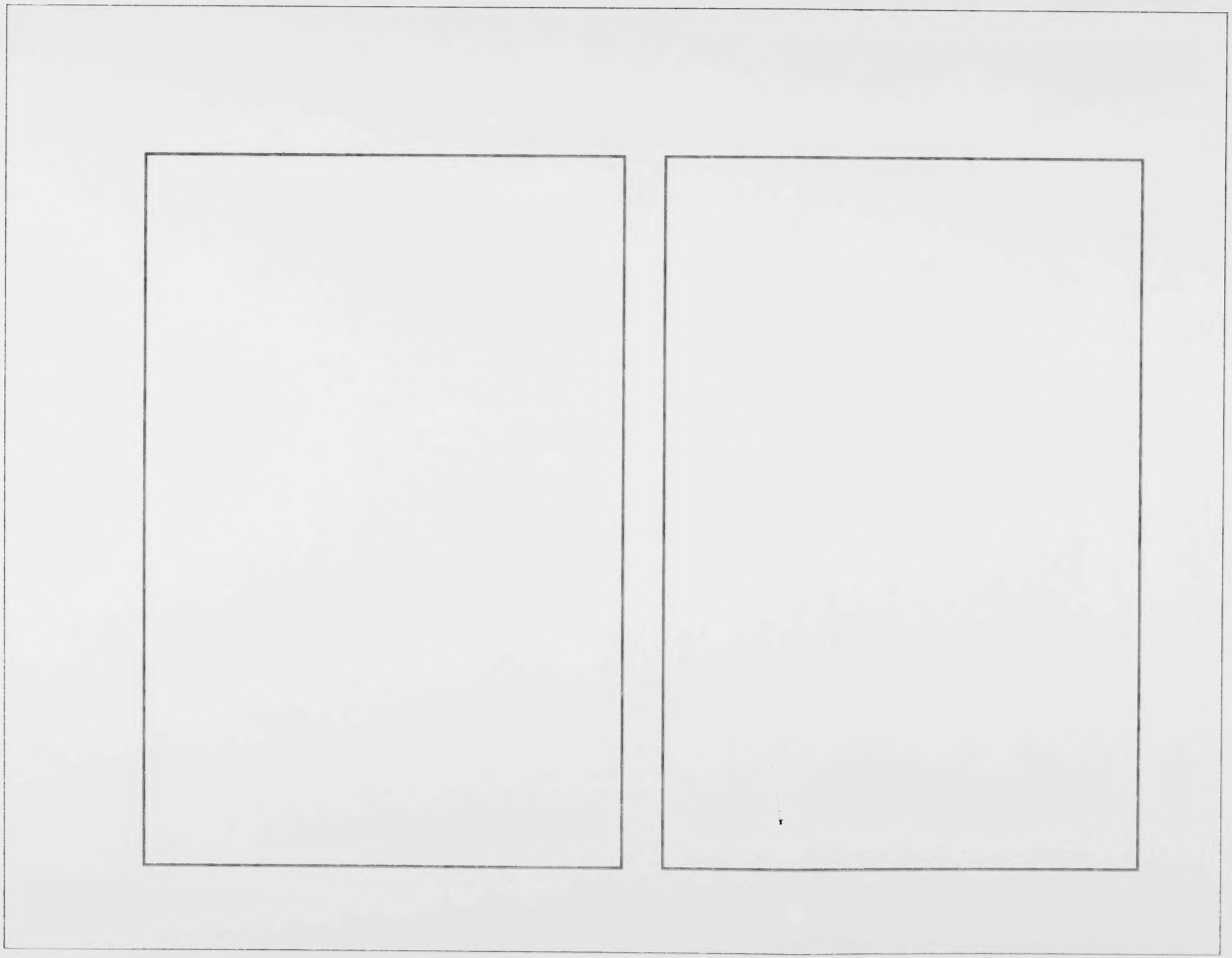
Planning Document Format I - Grid 1

Planning Document Chapter Divider Page

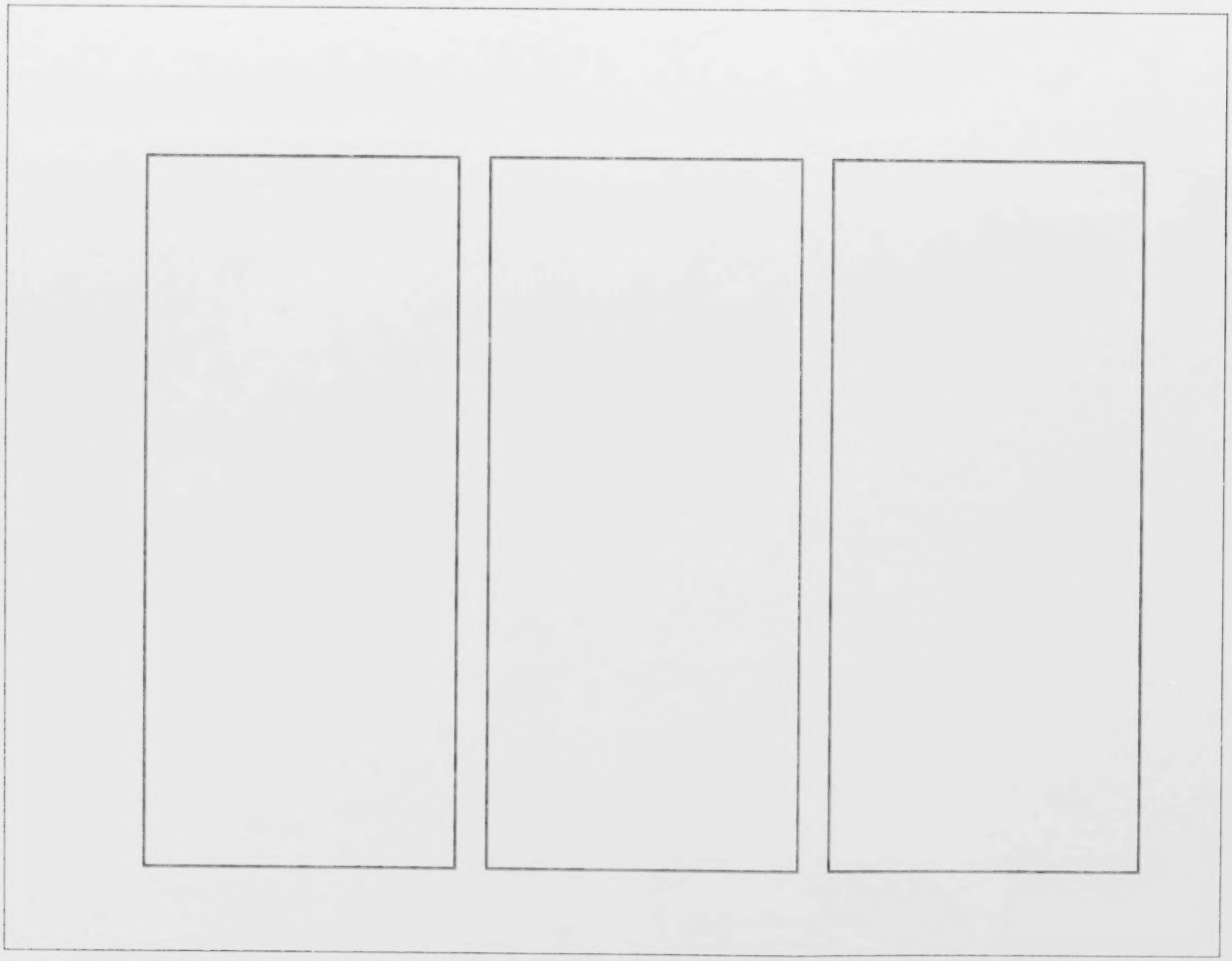
Planning Document Format I - Grid 2



Planning Document Format IV - Grid 2

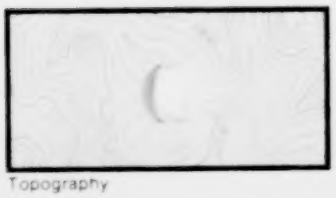


Planning Document Format IV - Grid 3

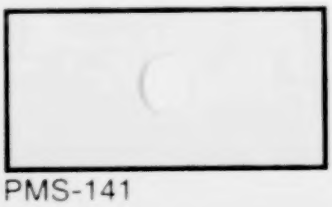


Bureau of Land Management

This sample printed on E-30 — Offset Mapping Litho



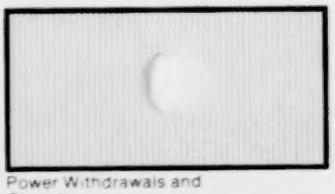
Topography



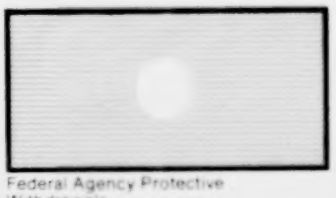
PMS-141

Shaded Relief

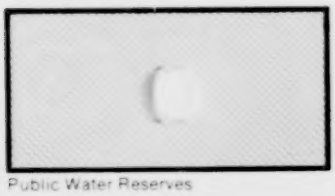
Corps of Engineers
Bureau of Reclamation



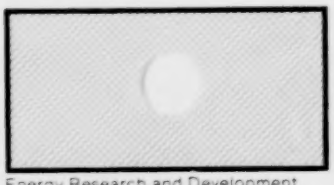
Power Withdrawals and Classifications



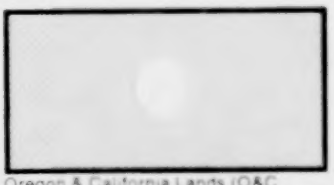
Federal Agency Protective Withdrawals



Public Water Reserves

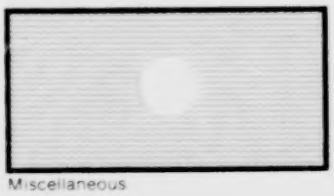


Energy Research and Development Administration (ERDA)

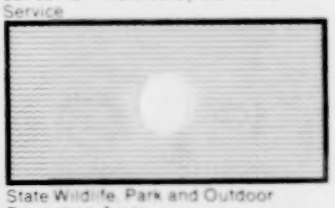


Oregon & California Lands (O&C Lands Administered By US Forest Service

Radio & Air Facilities

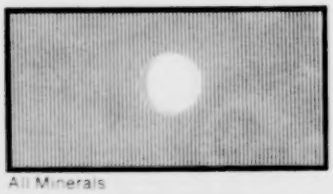


Miscellaneous

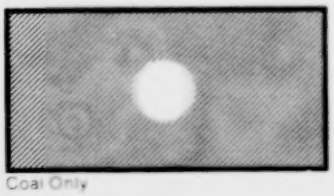


State Wildlife, Park and Outdoor Recreation Areas

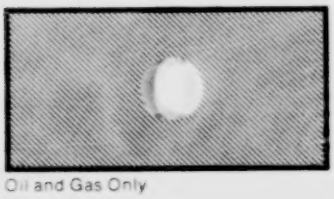
Acquired Lands (By Administering Agency)



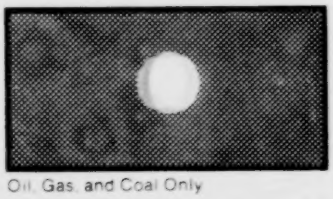
All Minerals



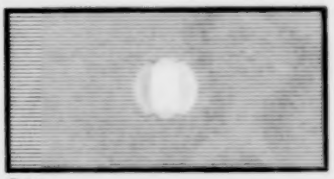
Coal Only



Oil and Gas Only



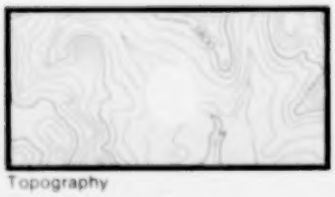
Oil, Gas, and Coal Only



Other

O&C BLM Forest

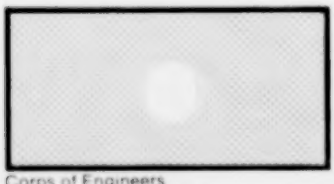
This sample printed on E-30 — Offset Mapping Litho



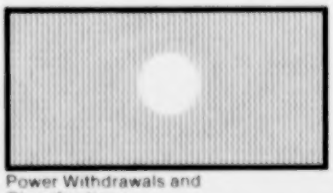
Topography

PMS-374

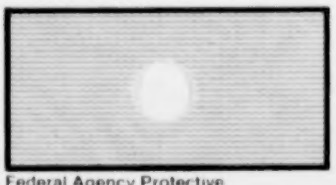
Shaded Relief



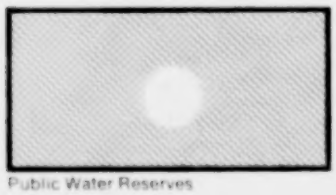
Corps of Engineers
Bureau of Reclamation



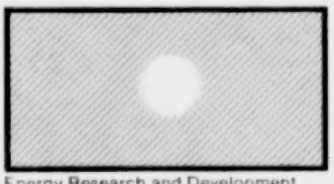
Power Withdrawals and Classifications



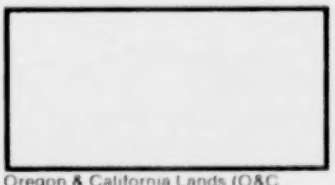
Federal Agency Protective Withdrawals



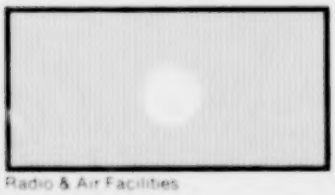
Public Water Reserves



Energy Research and Development Administration (ERDA)

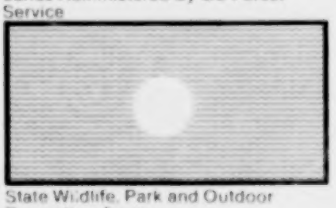


Oregon & California Lands (O&C Lands Administered By US Forest Service

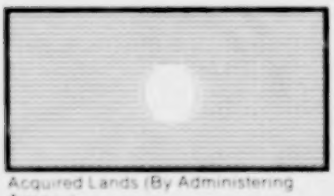


Radio & Air Facilities

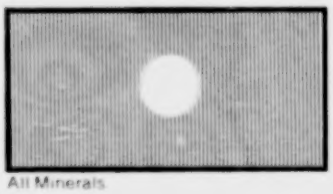
Miscellaneous



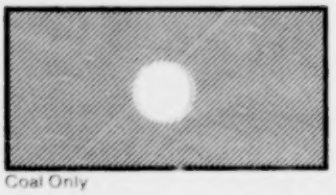
State Wildlife, Park and Outdoor Recreation Areas



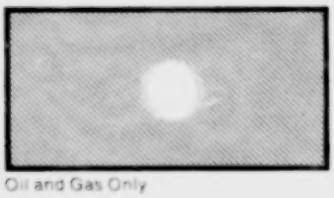
Acquired Lands (By Administering Agency)



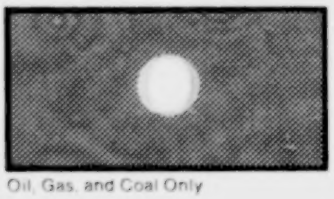
All Minerals



Coal Only



Oil and Gas Only

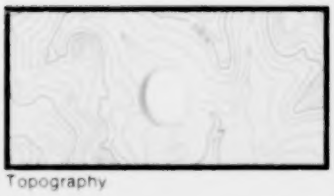


Oil, Gas, and Coal Only

Other

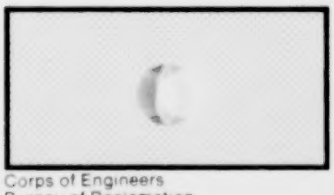
National Forests

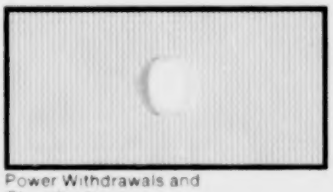
This sample printed on E-30 — Offset Mapping Litho


Topography

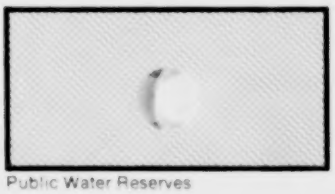
PMS-351

Shaded Relief


Corps of Engineers
Bureau of Reclamation


Power Withdrawals and Classifications

Federal Agency Protective Withdrawals

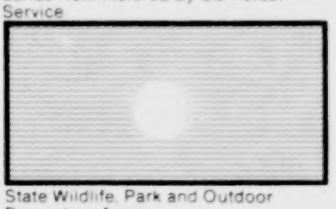

Public Water Reserves

Energy Research and Development Administration (ERDA)

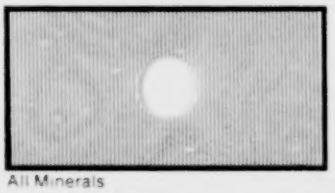
Oregon & California Lands (O&C Lands Administered By US Forest Service

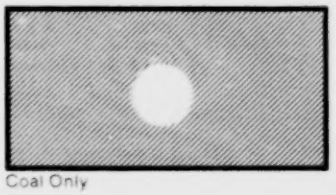
Radio & Air Facilities

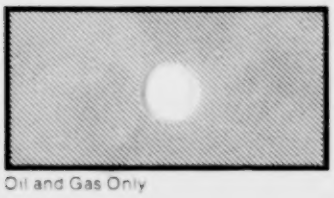
Miscellaneous

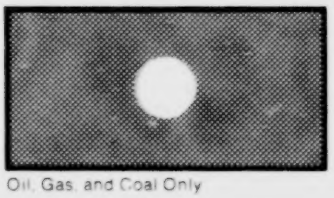

State Wildlife, Park and Outdoor Recreation Areas

Acquired Lands (By Administering Agency)


All Minerals


Coal Only


Oil and Gas Only


Oil, Gas, and Coal Only

Other

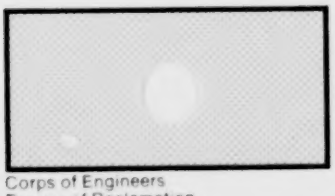
National Park Services

This sample printed on E-30 — Offset Mapping Litho

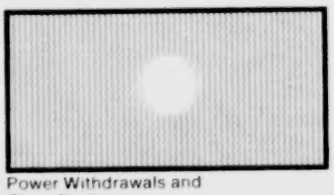
Topography

PMS-263

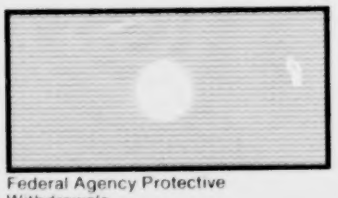
Shaded Relief



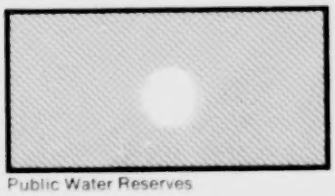
Corps of Engineers
Bureau of Reclamation



Power Withdrawals and Classifications

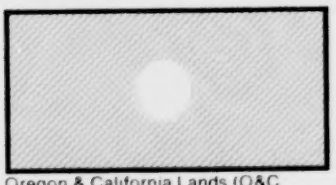


Federal Agency Protective Withdrawals



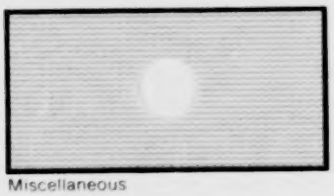
Public Water Reserves

Energy Research and Development Administration (ERDA)

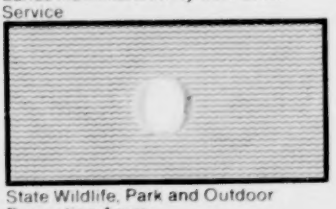


Oregon & California Lands (O&C Lands Administered By US Forest Service

Radio & Air Facilities

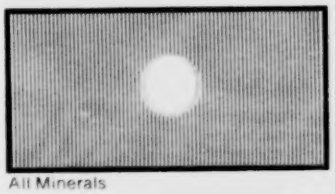


Miscellaneous

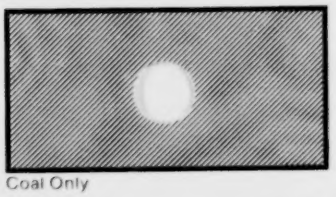


State Wildlife, Park and Outdoor Recreation Areas

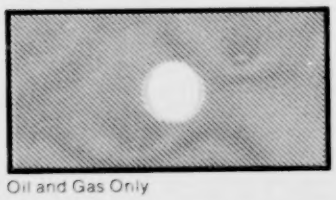
Acquired Lands (By Administering Agency)



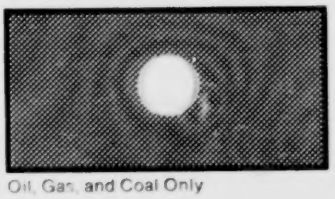
All Minerals



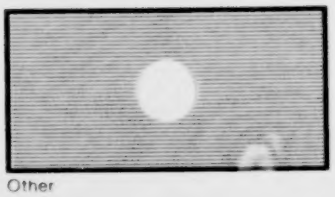
Coal Only



Oil and Gas Only



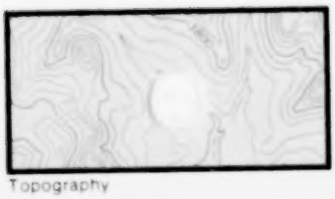
Oil, Gas, and Coal Only



Other

National Grasslands

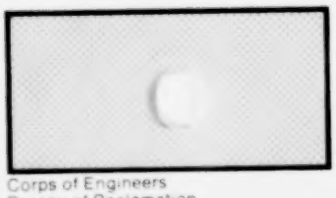
This sample printed on E-30 — Offset Mapping Litho



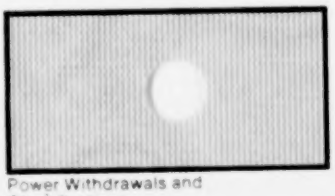
Topography

PMS-579

Shaded Relief

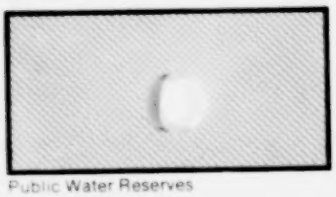


Corps of Engineers
Bureau of Reclamation



Power Withdrawals and Classifications

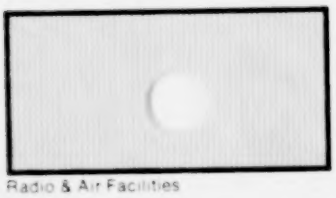
Federal Agency Protective Withdrawals



Public Water Reserves

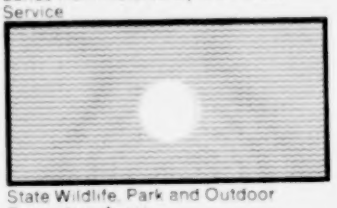
Energy Research and Development Administration (ERDA)

Oregon & California Lands (O&C Lands Administered By US Forest Service



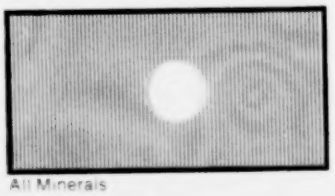
Radio & Air Facilities

Miscellaneous

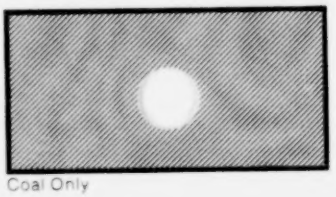


State Wildlife, Park and Outdoor Recreation Areas

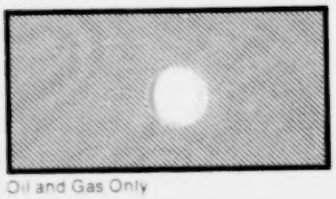
Acquired Lands (By Administering Agency)



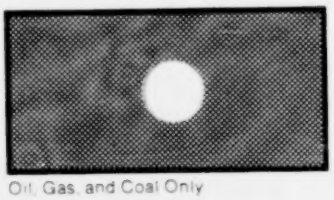
All Minerals



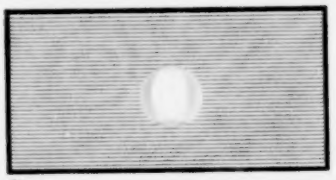
Coal Only



Oil and Gas Only



Oil, Gas, and Coal Only



Other

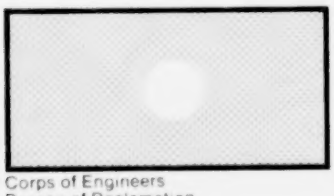
Indian Reservations

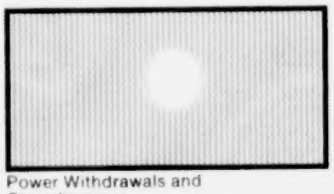
This sample printed on E-30 — Offset Mapping Litho

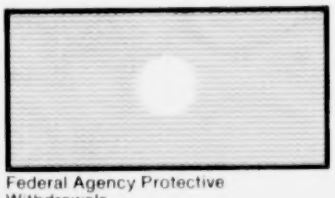
Topography

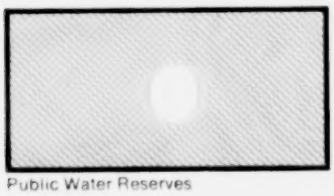
PMS-149

Shaded Relief

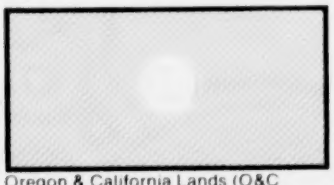

Corps of Engineers
Bureau of Reclamation


Power Withdrawals and Classifications

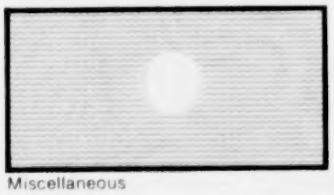

Federal Agency Protective Withdrawals

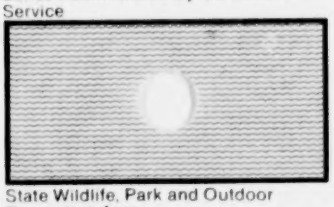

Public Water Reserves

Energy Research and Development Administration (ERDA)

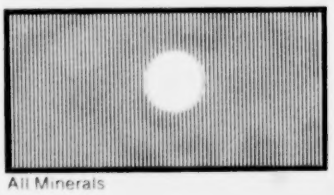

Oregon & California Lands (O&C Lands Administered By US Forest Service

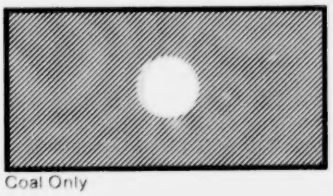
Radio & Air Facilities

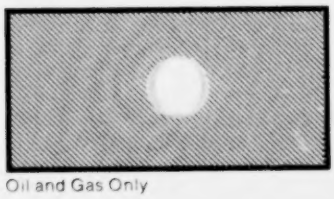

Miscellaneous

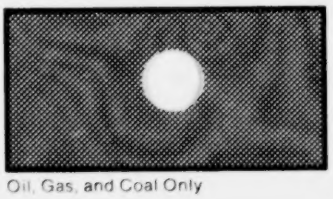

State Wildlife, Park and Outdoor Recreation Areas

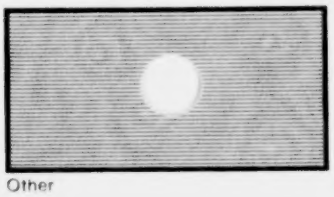
Acquired Lands (By Administering Agency)


All Minerals


Coal Only

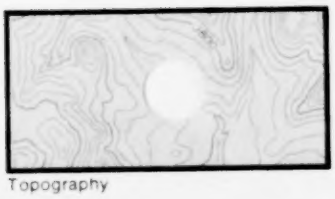

Oil and Gas Only


Oil, Gas, and Coal Only

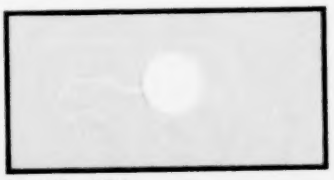

Other

Mltry. Wthdrwl./Corps of Engr.

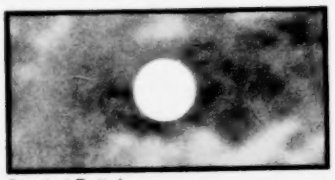
This sample printed on E-30 — Offset Mapping Litho



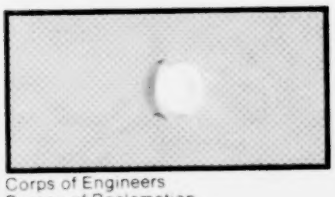
Topography



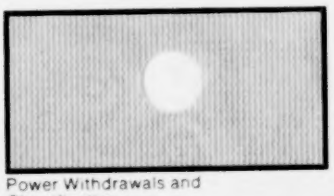
PMS-203



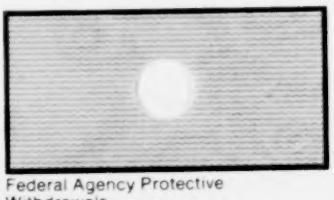
Shaded Relief



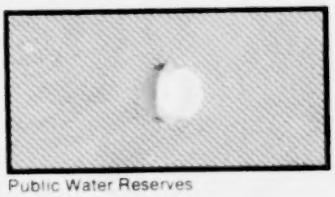
Corps of Engineers
Bureau of Reclamation



Power Withdrawals and Classifications

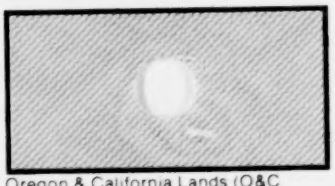


Federal Agency Protective Withdrawals

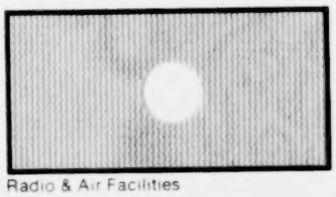


Public Water Reserves

Energy Research and Development Administration (ERDA)

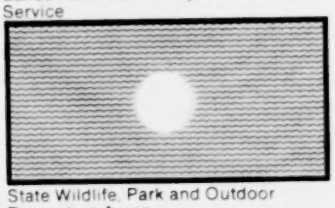


Oregon & California Lands (O&C Lands Administered By US Forest Service



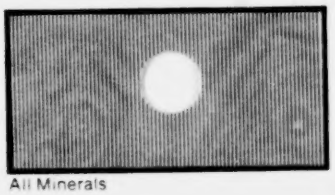
Radio & Air Facilities

Miscellaneous

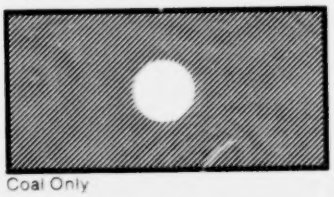


State Wildlife, Park and Outdoor Recreation Areas

Acquired Lands (By Administering Agency)

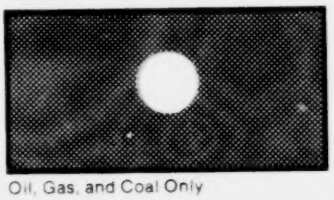


All Minerals

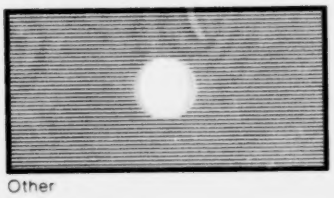


Coal Only

Oil and Gas Only



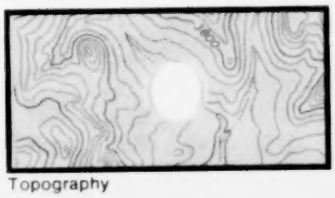
Oil, Gas, and Coal Only



Other

Fish & Wildlife Service

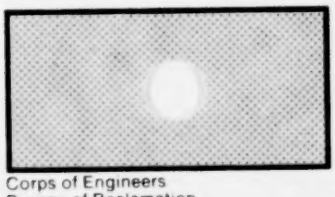
This sample printed on E-30 — Offset Mapping Litho



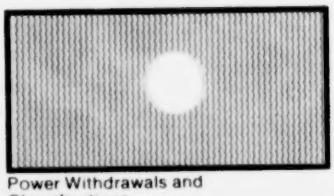
Topography

PMS-324

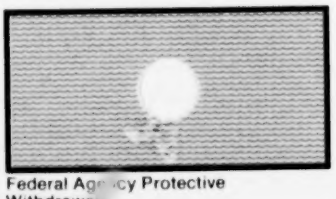
Shaded Relief



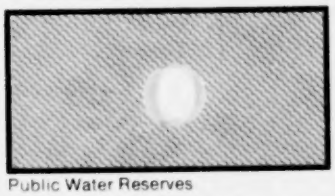
Corps of Engineers
Bureau of Reclamation



Power Withdrawals and Classifications

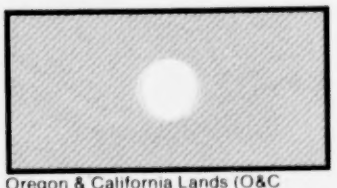


Federal Agency Protective Withdrawals



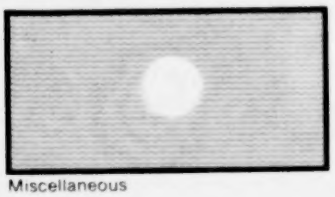
Public Water Reserves

Energy Research and Development Administration (ERDA)

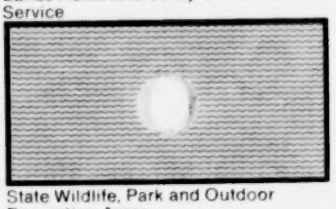


Oregon & California Lands (O&C Lands Administered By US Forest Service

Radio & Air Facilities

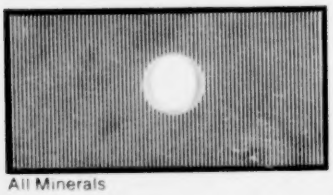


Miscellaneous

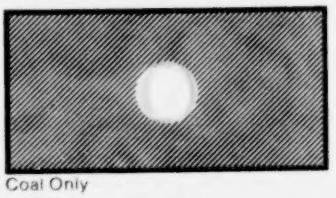


State Wildlife, Park and Outdoor Recreation Areas

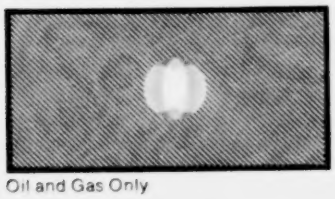
Acquired Lands (By Administering Agency)



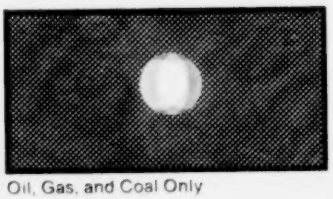
All Minerals



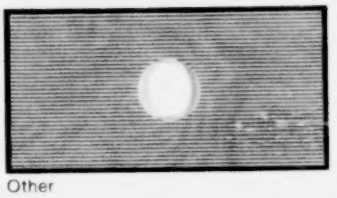
Coal Only



Oil and Gas Only



Oil, Gas, and Coal Only

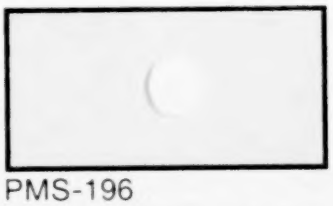


Other

LU (Bankhead/Jones)

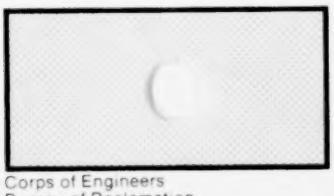
This sample printed on E-30 — Offset Mapping Litho

Topography

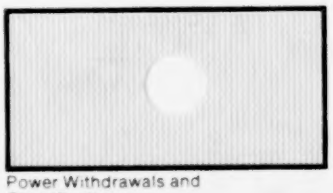


PMS-196

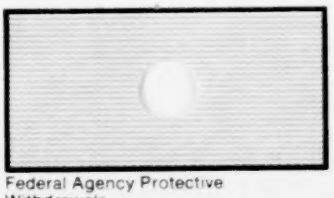
Shaded Relief



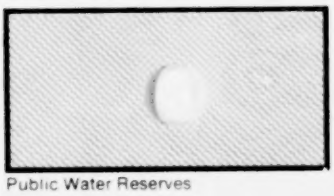
Corps of Engineers
Bureau of Reclamation



Power Withdrawals and Classifications

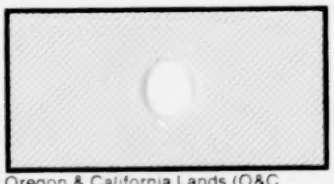


Federal Agency Protective Withdrawals



Public Water Reserves

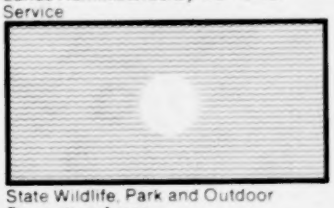
Energy Research and Development Administration (ERDA)



Oregon & California Lands (O&C Lands Administered By US Forest Service

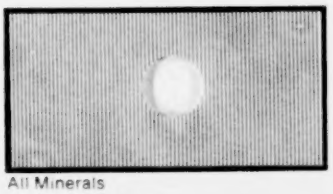
Radio & Air Facilities

Miscellaneous

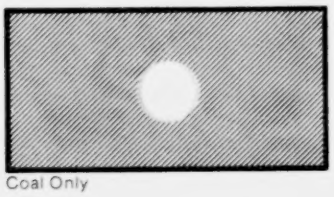


State Wildlife, Park and Outdoor Recreation Areas

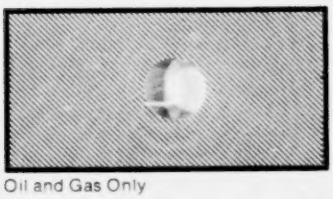
Acquired Lands (By Administering Agency)



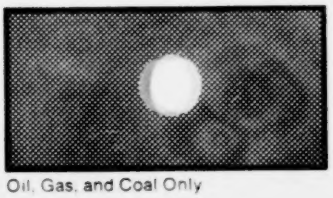
All Minerals



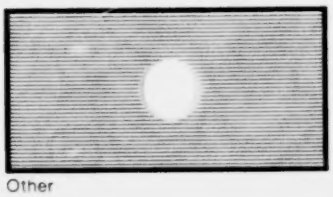
Coal Only



Oil and Gas Only



Oil, Gas, and Coal Only



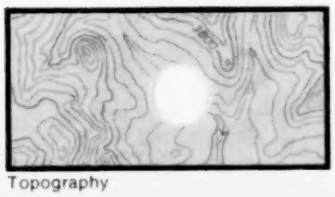
Other

Mapping Comparison Samples A

Appendix Four

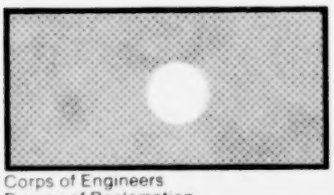
TVA

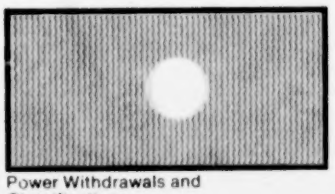
This sample printed on E-30 — Offset Mapping Litho


Topography

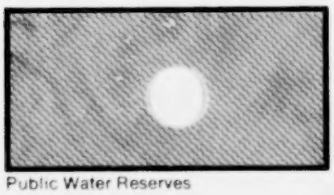
PMS-428

Shaded Relief

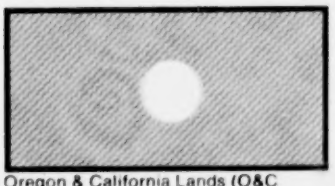

Corps of Engineers
Bureau of Reclamation

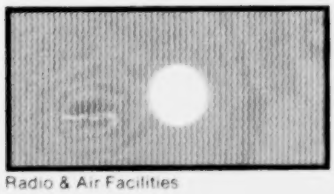

Power Withdrawals and Classifications

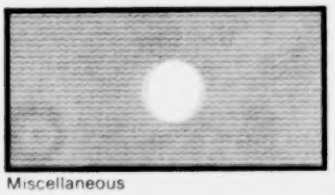
Federal Agency Protective Withdrawals

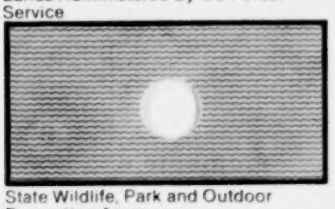

Public Water Reserves

Energy Research and Development Administration (ERDA)

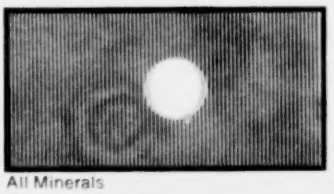

Oregon & California Lands (O&C Lands Administered By US Forest Service

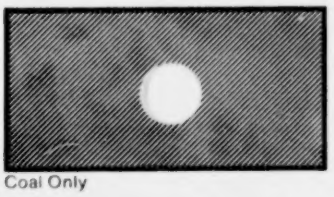

Radio & Air Facilities

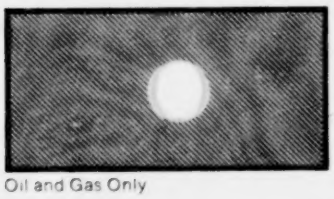

Miscellaneous

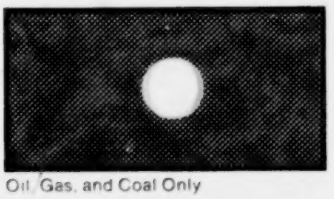

State Wildlife, Park and Outdoor Recreation Areas

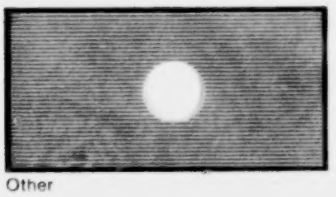
Acquired Lands (By Administering Agency)


All Minerals


Coal Only

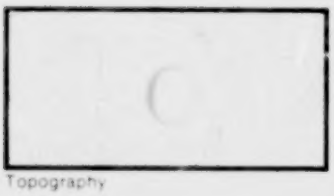

Oil and Gas Only

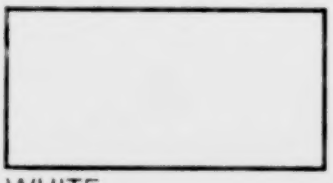

Oil, Gas, and Coal Only


Other

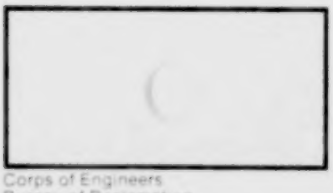
Patented Lands

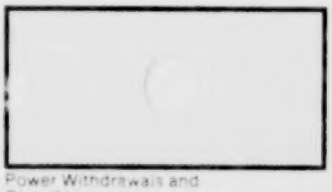
This sample printed on E-30 — Offset Mapping Litho

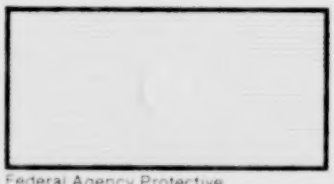

Topography

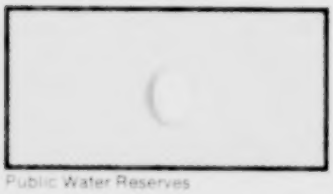

WHITE

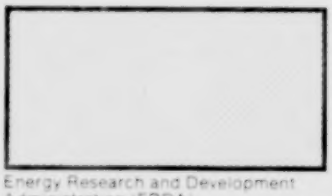
Shaded Relief

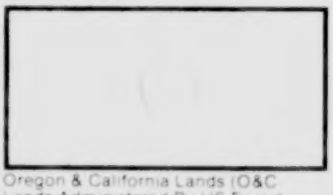

Corps of Engineers
Bureau of Reclamation


Power Withdrawals and Classifications


Federal Agency Protective Withdrawals

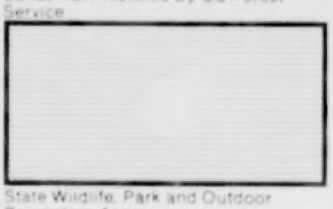

Public Water Reserves

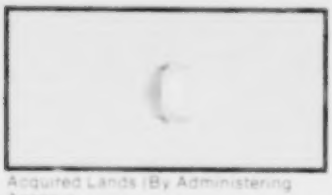

Energy Research and Development Administration (ERDA)


Oregon & California Lands (O&C Lands Administered By US Forest Service

Radio & Air Facilities

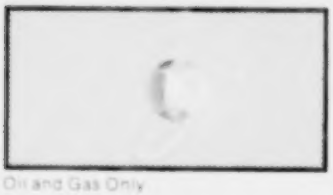
Miscellaneous


State Wildlife, Park and Outdoor Recreation Areas

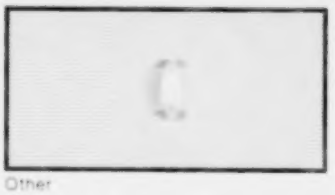

Acquired Lands (By Administering Agency)

All Minerals

Coal Only

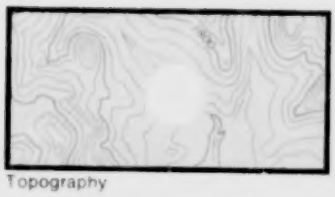

Oil and Gas Only

Oil, Gas, and Coal Only

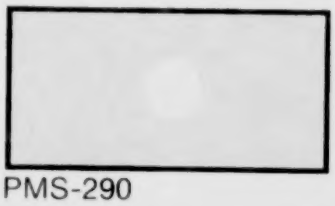

Other

State

This sample printed on E-30 — Offset Mapping Litho

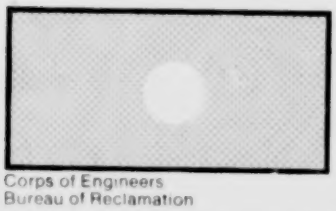


Topography

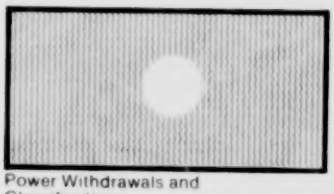


PMS-290

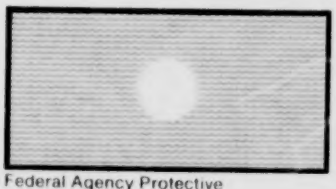
Shaded Relief



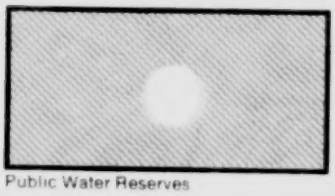
Corps of Engineers
Bureau of Reclamation



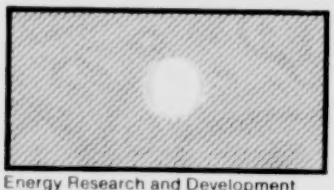
Power Withdrawals and Classifications



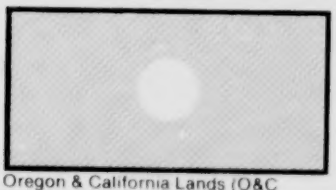
Federal Agency Protective Withdrawals



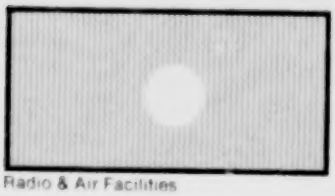
Public Water Reserves



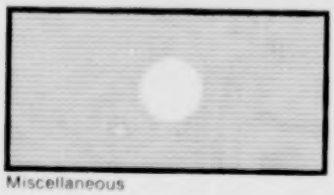
Energy Research and Development Administration (ERDA)



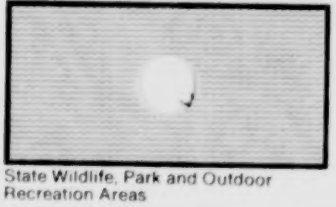
Oregon & California Lands (O&C Lands Administered By US Forest Service



Radio & Air Facilities

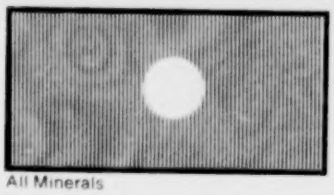


Miscellaneous

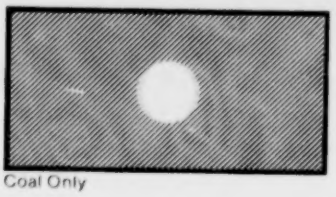


State Wildlife, Park and Outdoor Recreation Areas

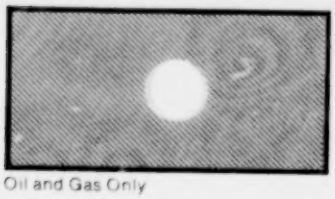
Acquired Lands (By Administering Agency)



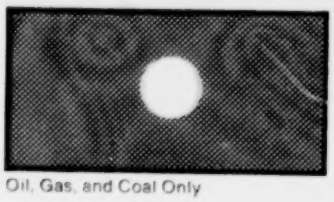
All Minerals



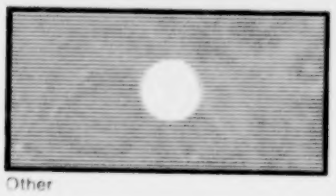
Coal Only



Oil and Gas Only



Oil, Gas, and Coal Only



Other